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GEOMETRY VOCABULARY

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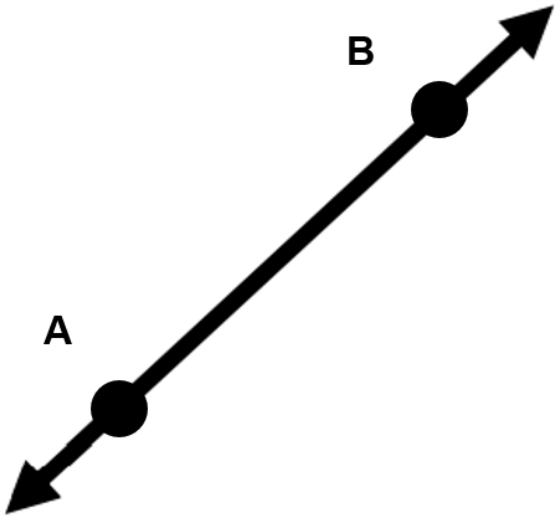
1



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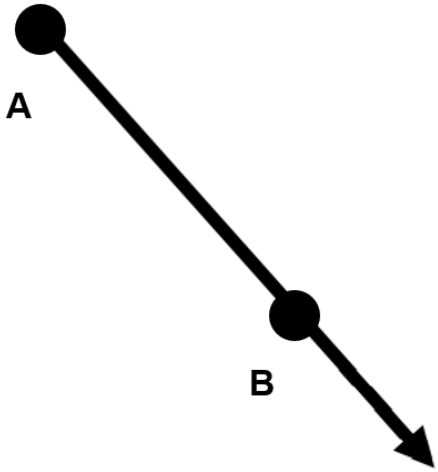

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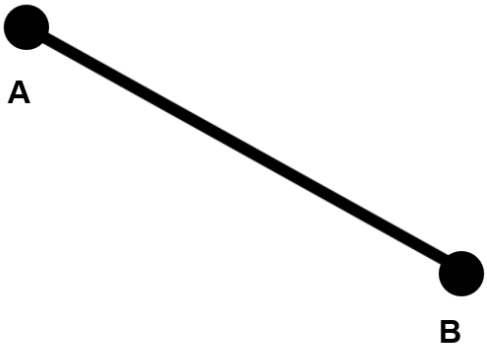

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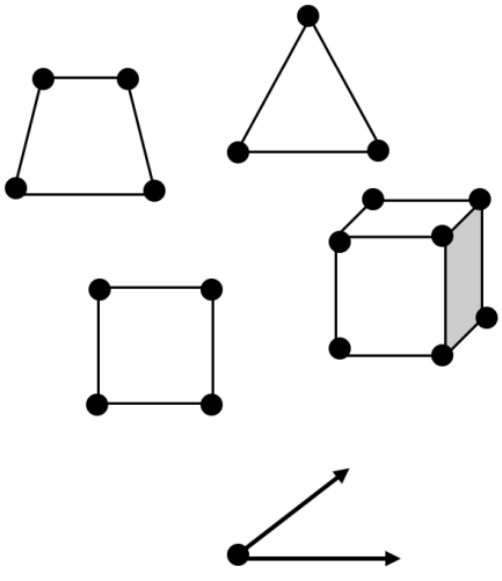

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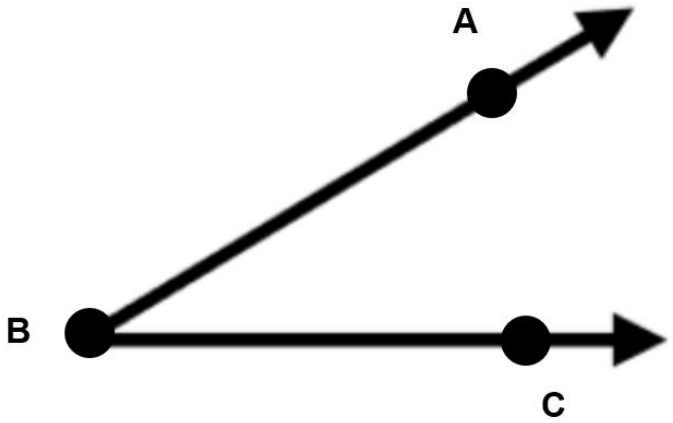

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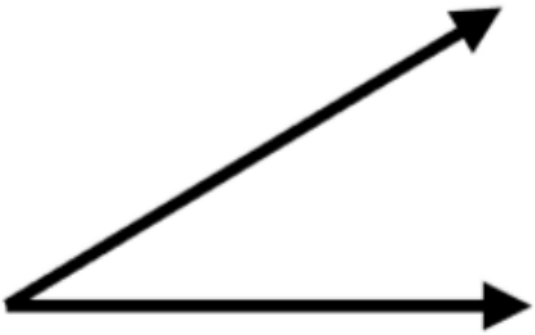

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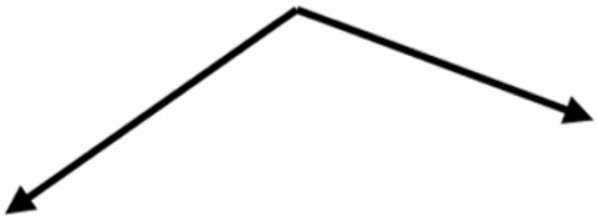

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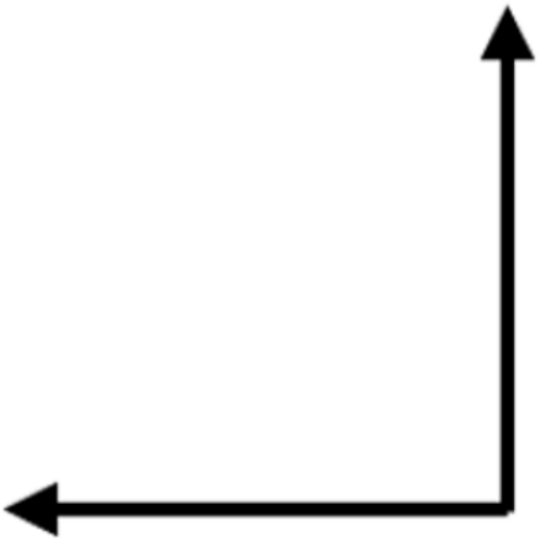

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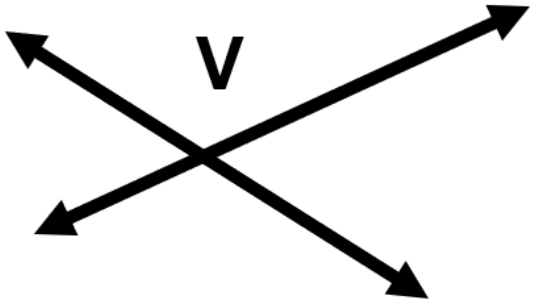

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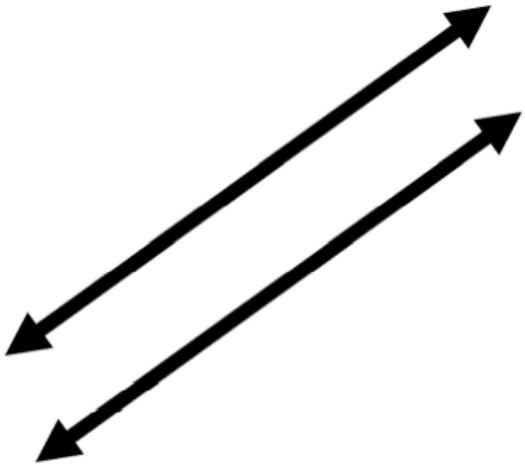

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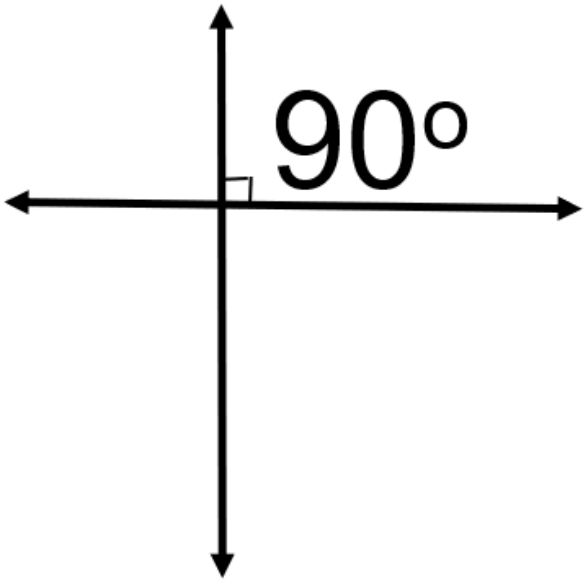

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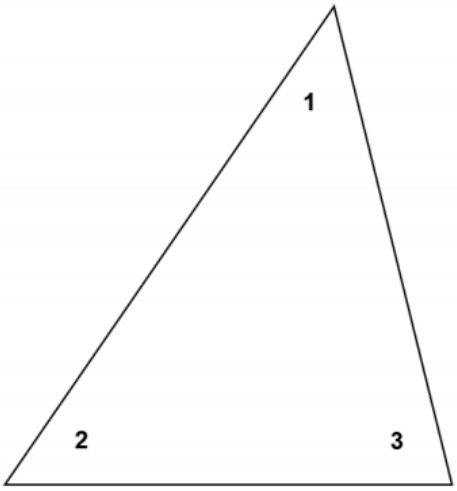

$m\angle 1 + m\angle 2 + m\angle 3 =$ ___

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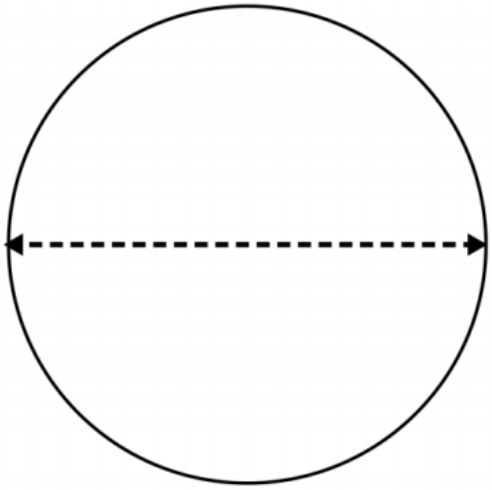
13



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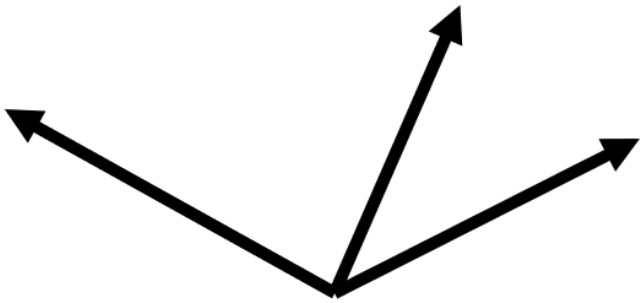

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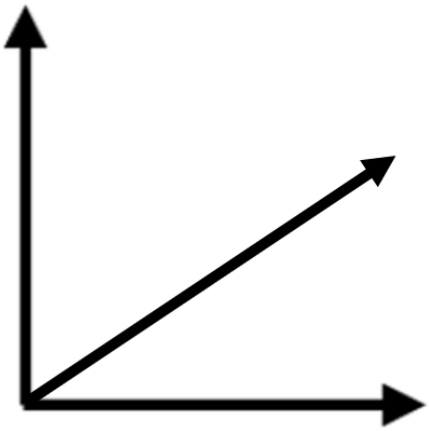

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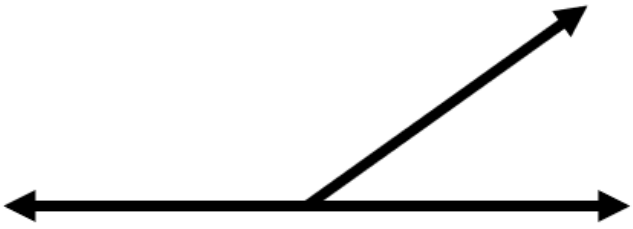

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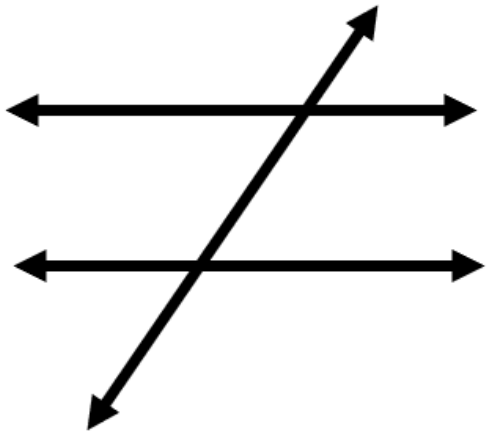

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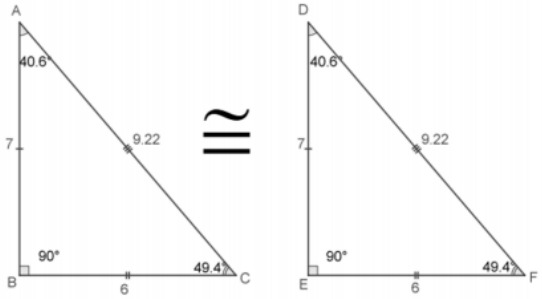
Same size,

same shape



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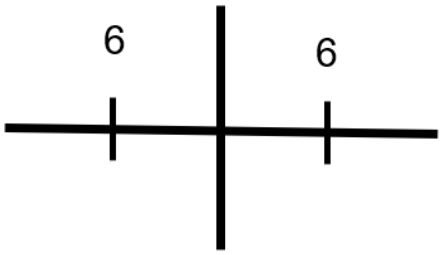

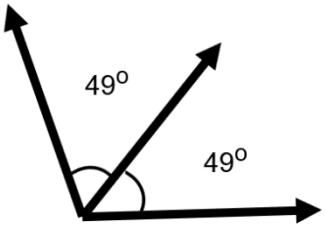

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$$\frac{\text{circumference}}{\text{diameter}}$$

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21

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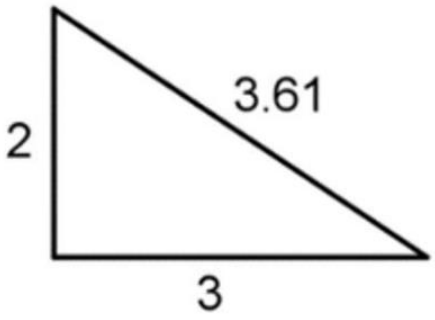

Name by sides.

22

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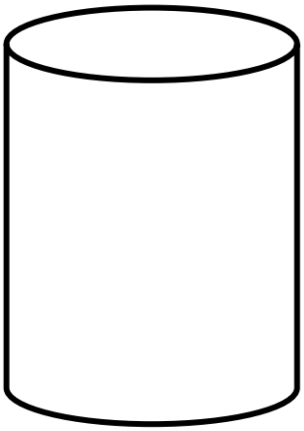

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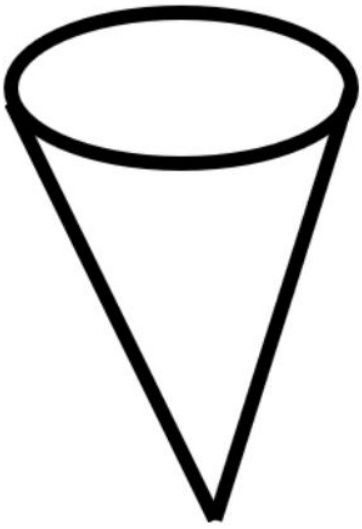

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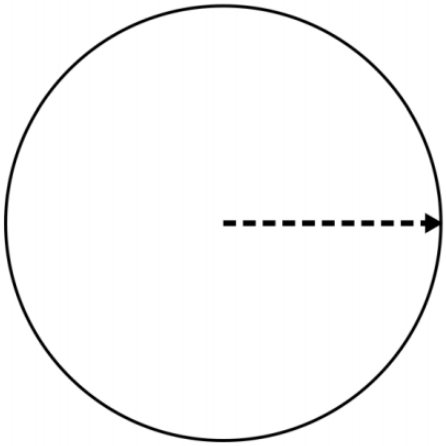

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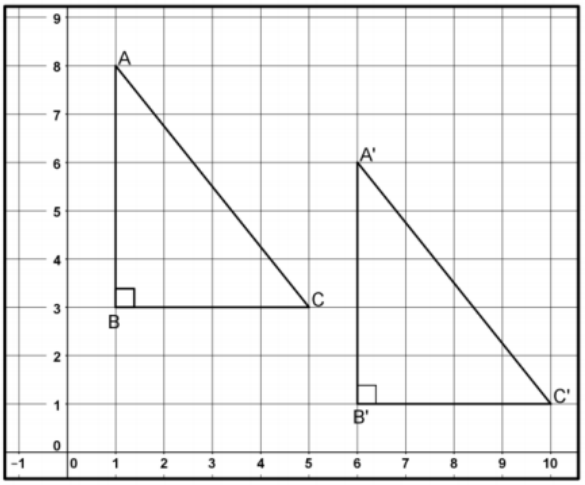

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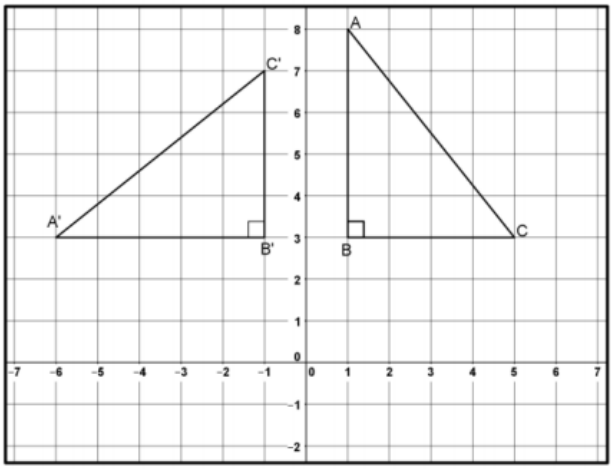

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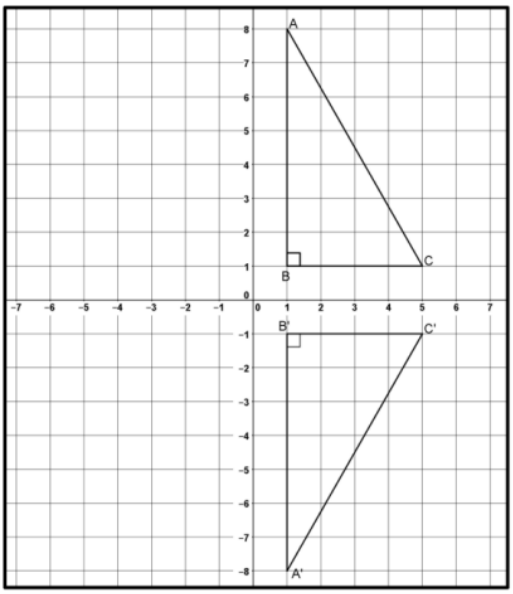

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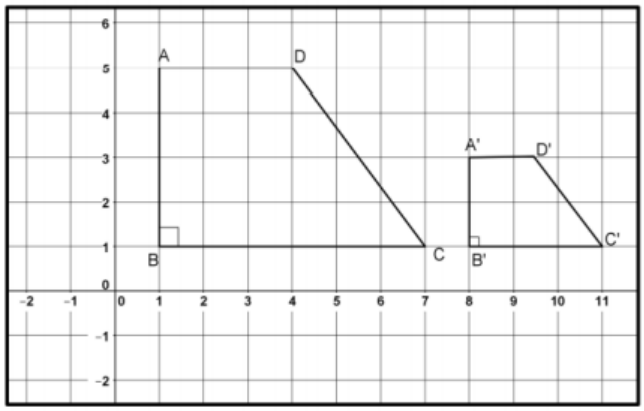

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rectangle

“four-sided”

“four right angles”

“closed”

“opposite sides parallel”

“four vertices”

“straight sides”

“two-dimensional”

P, T, Q, C, A

$(x$

r^2

32

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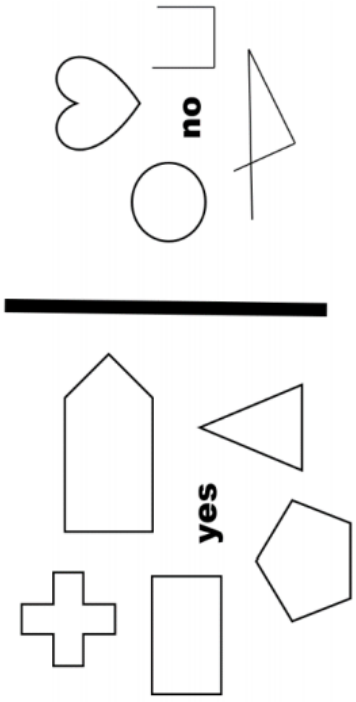

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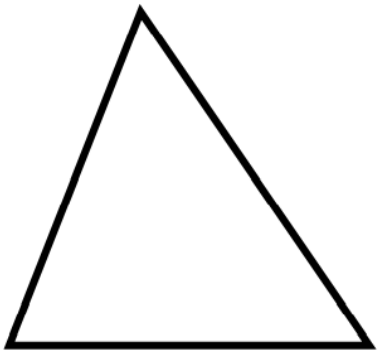

Name by angles.

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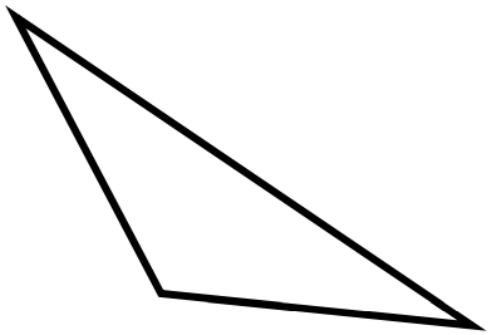

Name by angles.

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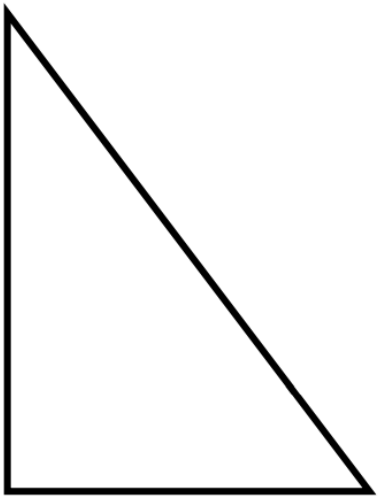

Name by angles.

36

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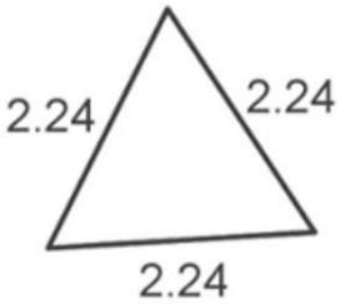

Name by sides.

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37

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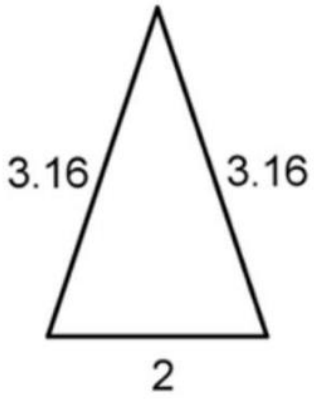

Name by sides.

38

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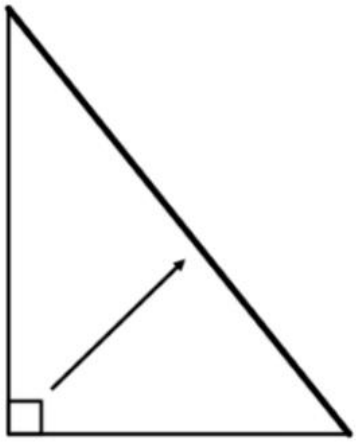
The side opposite the right angle.



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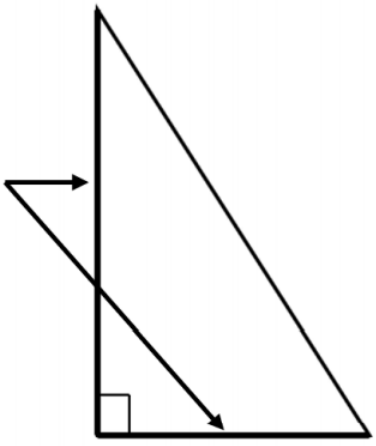
Not the hypotenuse



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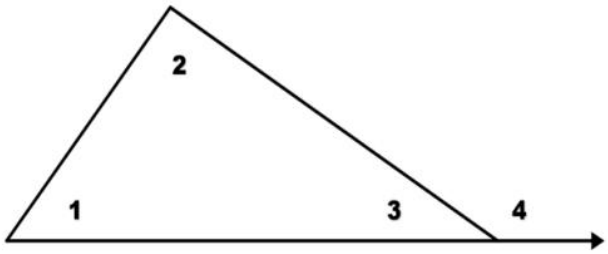

$$m\angle 4 = m\angle 1 + m\angle 2$$

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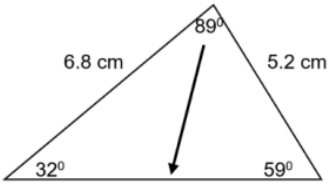
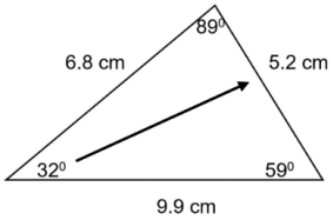
largest angle ⟶ longest side



smallest angle ⟶ shortest side



42

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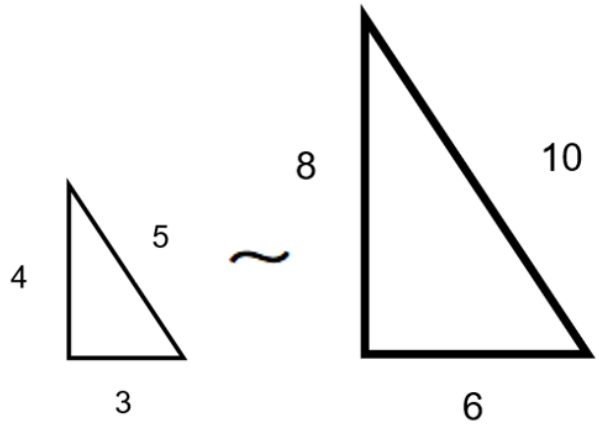
congruent angles

proportional sides



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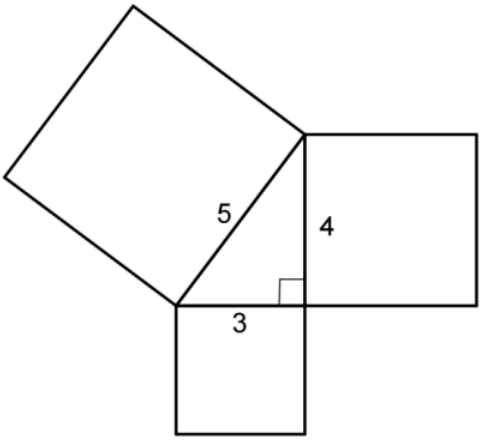

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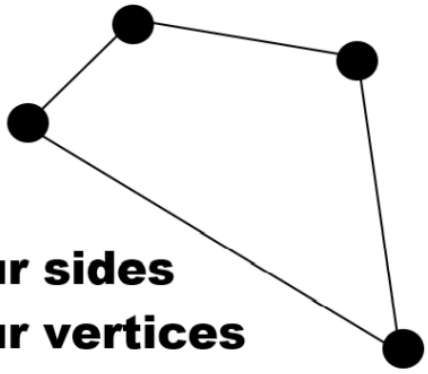

four sides

four vertices

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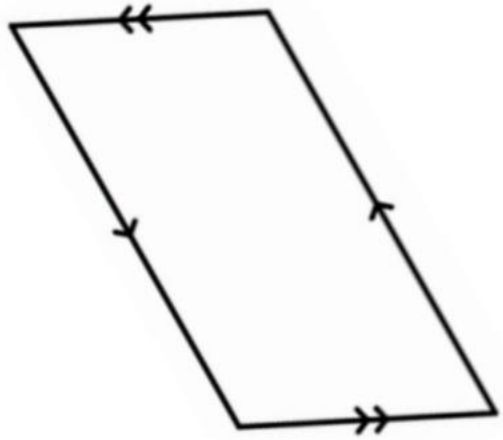
45



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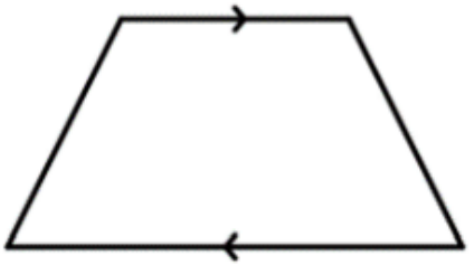

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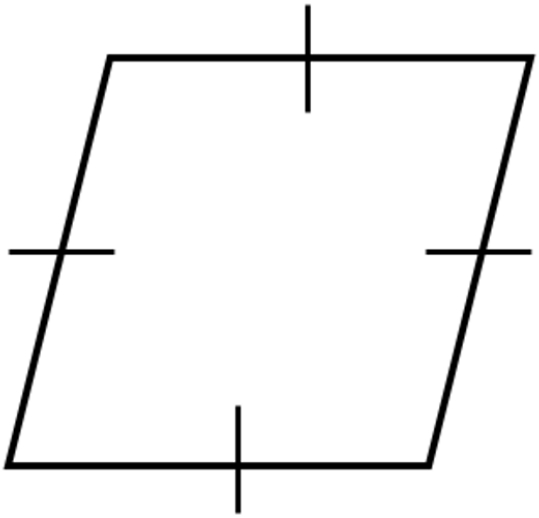

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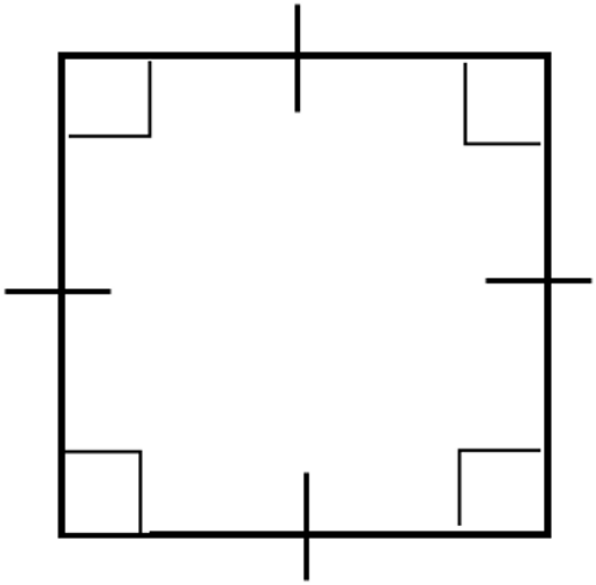

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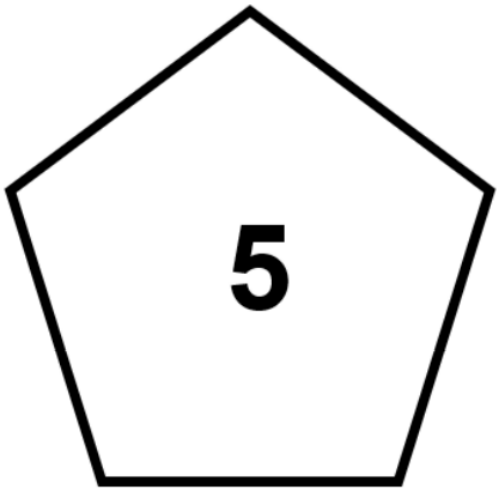

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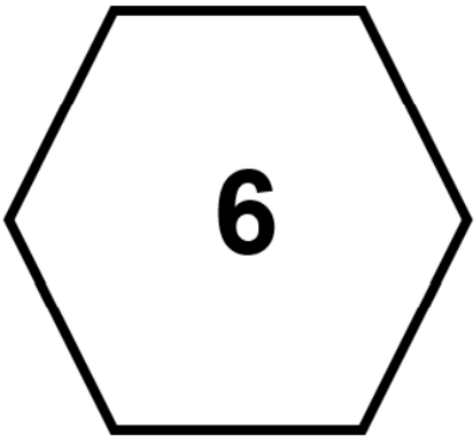

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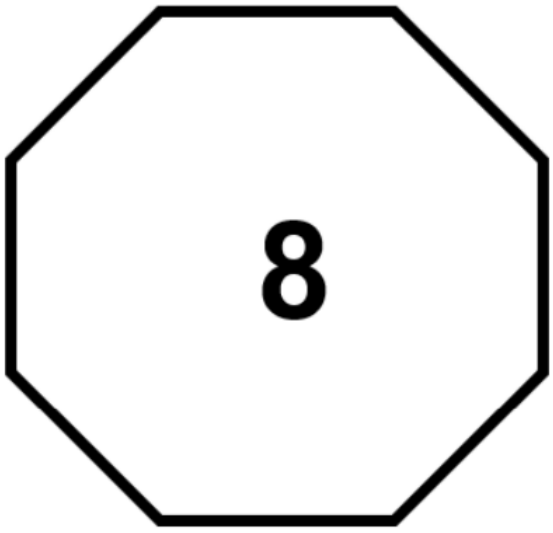

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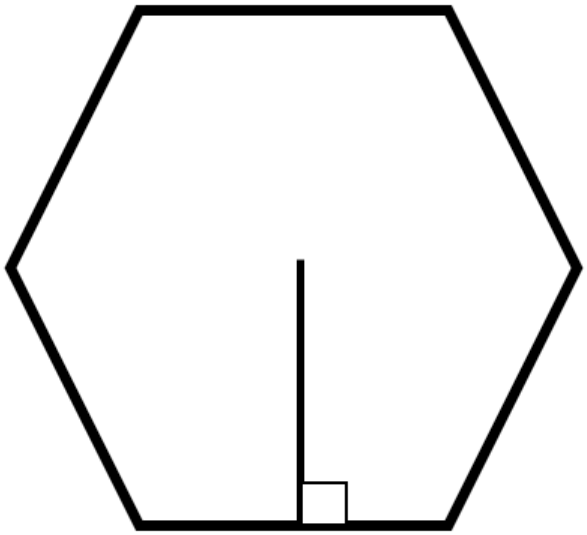

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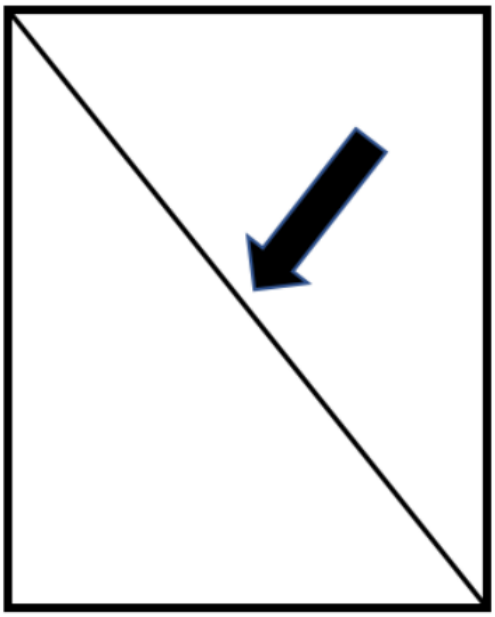

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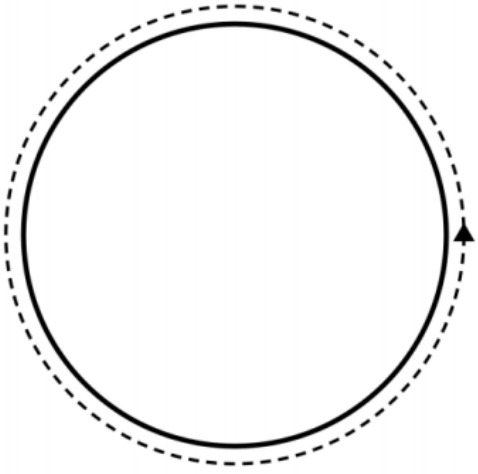

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cosine

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tangent

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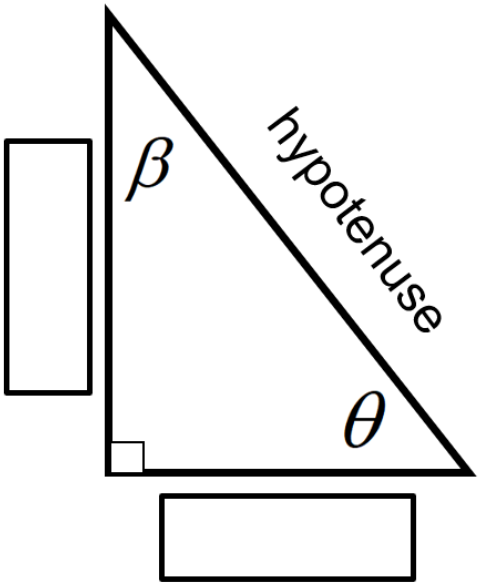

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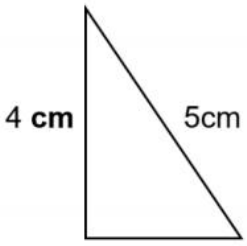
Side 1 + Side 2 > Side 3

(for any pair of sides)

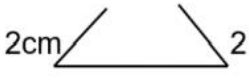


$3+4>5$

$4+5>3$

$5+3>4$

Triangle!



$2+2<5$

No triangle!

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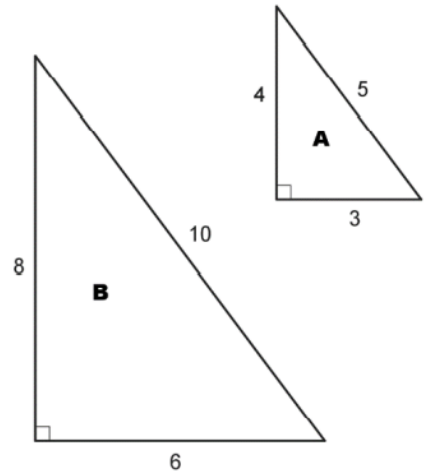
The relationship between the measures of two similar figures.



Each leg of triangle A is multiplied by 2 to get the length of the corresponding leg in triangle B.

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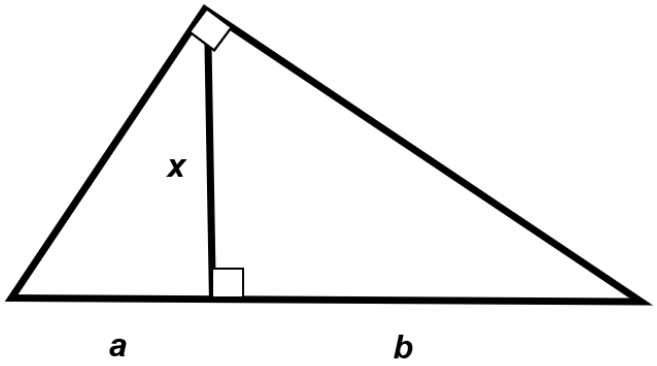

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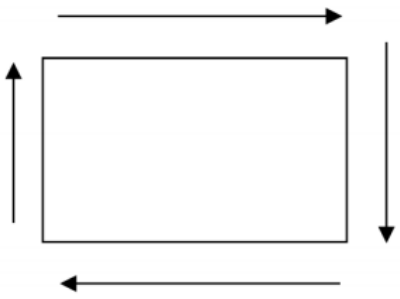
add



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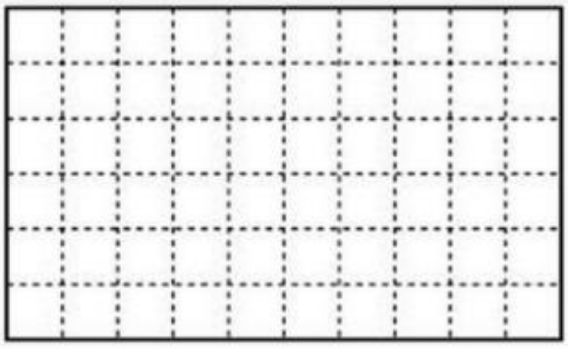
multiply



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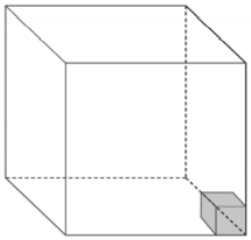
Space within a three-dimensional figure or how much a container can hold.

Measured in liters or cubic units.



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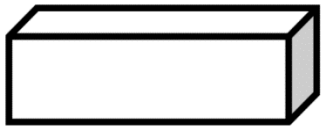

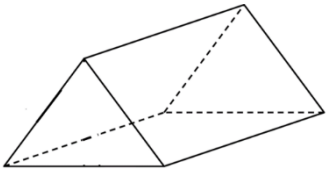

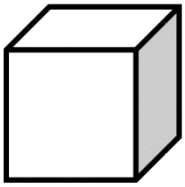

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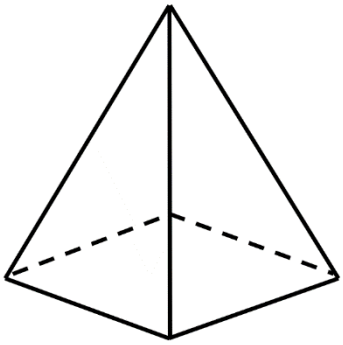

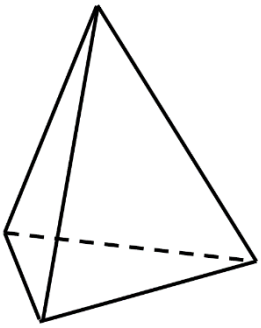

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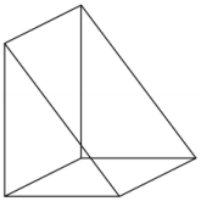

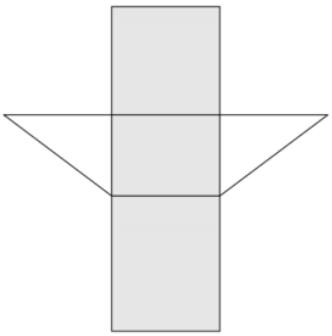

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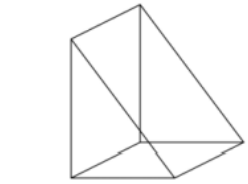

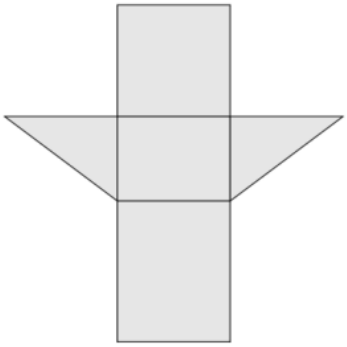

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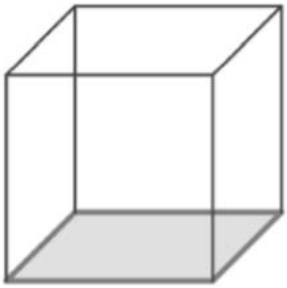
The area of one face of a prism, used to find the volume.



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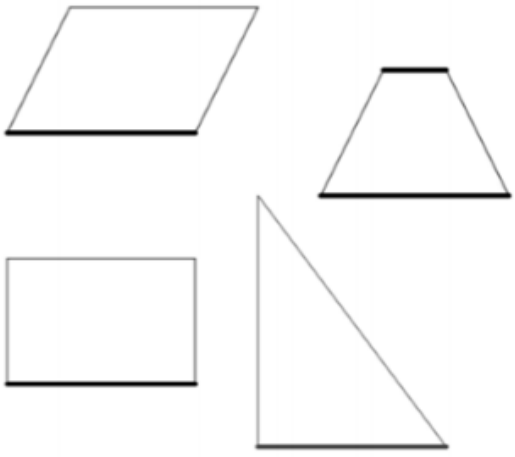
The length of an edge of a polygon used to find the area.



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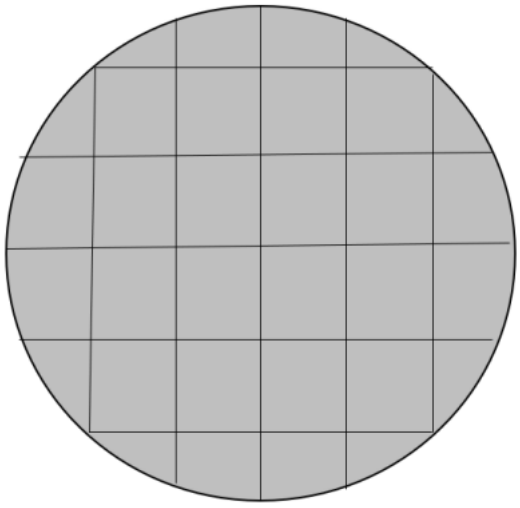

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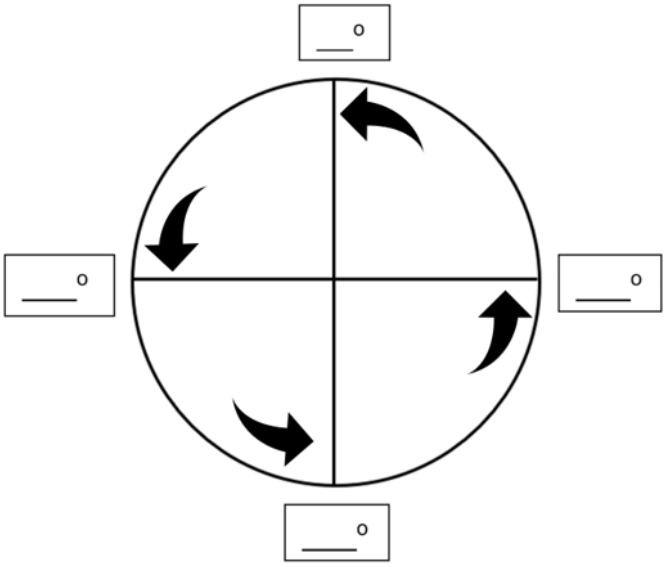

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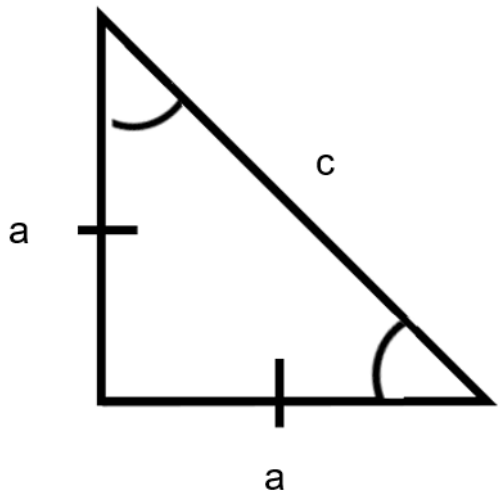

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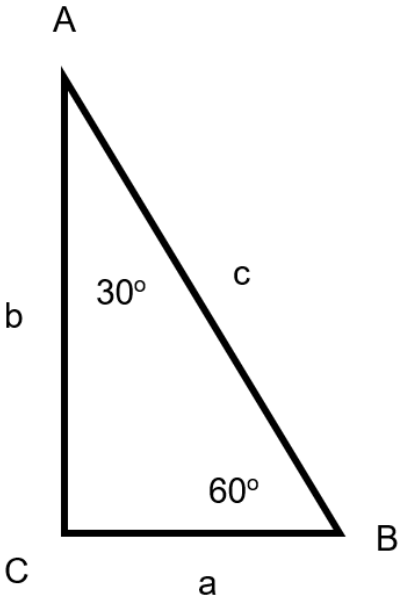

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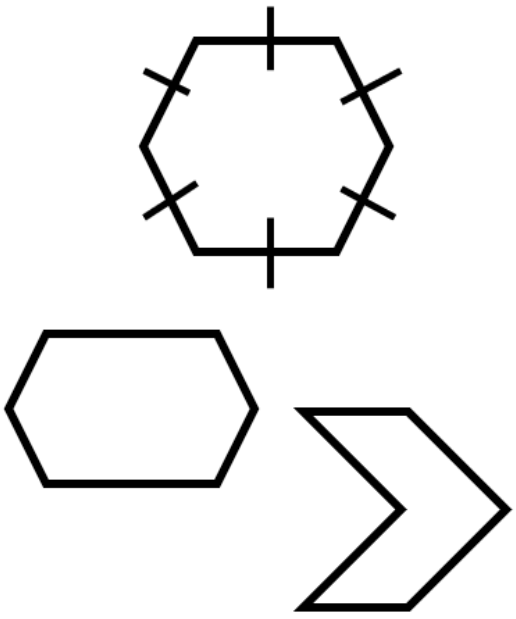

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