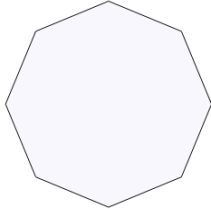




Determine unknown interior angles of polygons

1

Name the type of shape

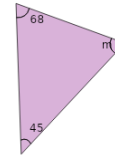


A Regular

B Irregular

2

What is known about the angles labelled 68, 45, m



A 68 and 45 add to m

B m and 45 add to 68

C 68, 45, and m add up to 180°

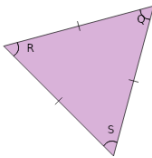
D 68 is the same as 45

E 68, 45, and m add up to 90°

F 68, 45, and m add up to 360°

3

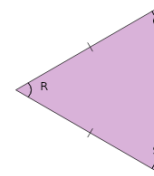
Given the side lengths, what do we know about this triangle's angles?

A $Q = R$ but not SB $R = S$ but not QC $S = Q = R$ D $S = Q$ but not R

E S, Q, and R are different

4

What do we know about angle 'R'?



A 55

B 50

C 60

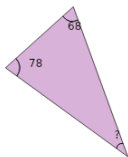
D Unable to answer

E 70

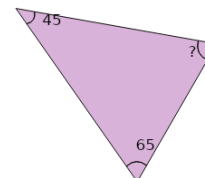
F 45

5

Find the equation that will help you calculate the missing angle of the triangle

A $68 - 78 - ? = 360$ B $68 + 78 + ? = 180$ C $68 + 78 + ? = 360$ D $68 + 78 + ? = 90$ E $2(68 + 78 + ?) = 180$ **6**

Find the missing angle of the triangle



A 90

B 55

C 60

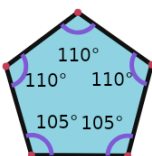
D 50

E 80

F 70

7

What is the rule for the sum of the interior angles of a polygon?



A All angles sum to 540°

B All interior angles sum to $(5 - 2) \times 180^\circ$ C All angles sum to $(5 - 3) \times 180^\circ$

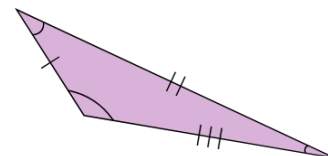
D All angles sum to 270°

E All angles sum to $(5 - 2) \times 360^\circ$

F All angles sum to 720°

8

What would the sum of the inside angles on this shape be?



A 120°

B 210°

C 180°

D 60°

E 300°

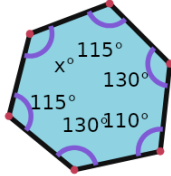
F 330°



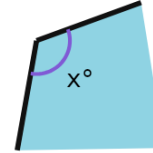
Determine unknown interior angles of polygons

9

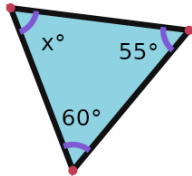
What is the missing interior angle?

A 80° B 140° C 120° D 160° E 100° F 180° **10**

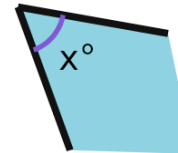
This is a regular hexagon. What is the interior angle?

A 108° B 60° C 135° D 90° E 120° **11**

What is the missing interior angle?

A 105° B 5° C 45° D 85° E 65° F 125° **12**

This is a regular triangle. What is the interior angle?

A 108° B 60° C 90° D 120° E 135°