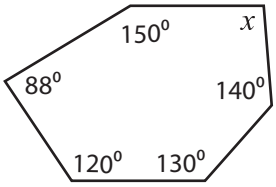
Name : _____ Score : _____

Interior Angle

Sheet 1

Example:



Sum of the interior angles = (Number of sides - 2) x 180°

= (6 - 2) x 180°

= 4 x 180 = **720°**

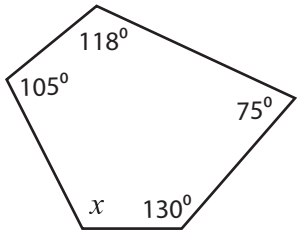
Sum of the interior angles = 120° + 140° + 130° + 150° + 88° + x

720° = 628° + x

x = **720°** - 628° = **92°**

Find the interior angle for each irregular polygon.

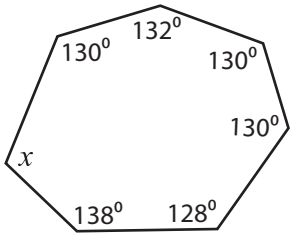
1)



Sum of the interior angles = _____

x = _____

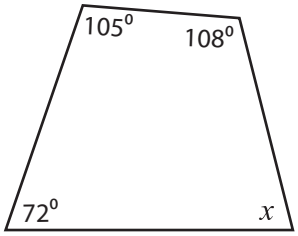
2)



Sum of the interior angles = _____

x = _____

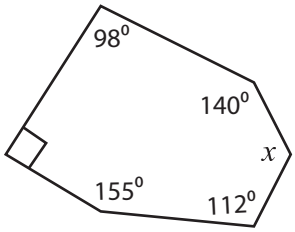
3)



Sum of the interior angles = _____

x = _____

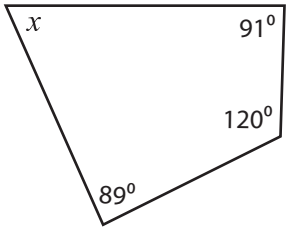
4)



Sum of the interior angles = _____

x = _____

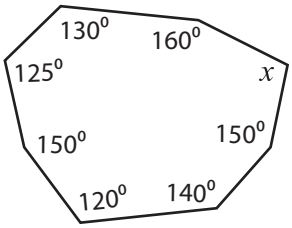
5)



Sum of the interior angles = _____

x = _____

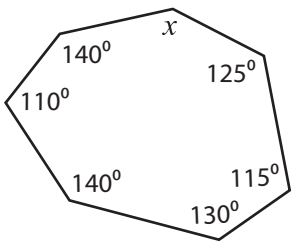
6)



Sum of the interior angles = _____

x = _____

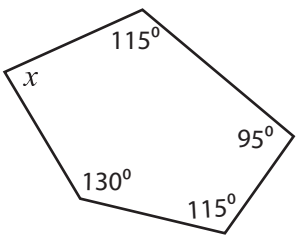
7)



Sum of the interior angles = _____

x = _____

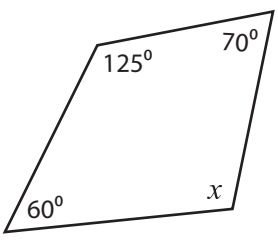
8)



Sum of the interior angles = _____

x = _____

9)



Sum of the interior angles = _____

x = _____

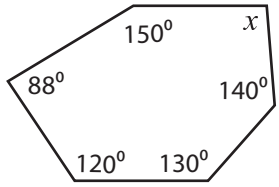
Name : _____ Score : _____

Answer key

Interior Angle

Sheet 1

Example:



Sum of the interior angles = (Number of sides - 2) x 180°

= (6 - 2) x 180°

= 4 x 180 = **720°**

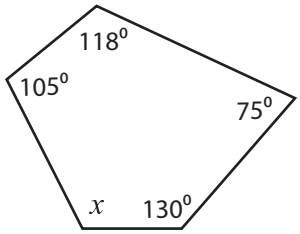
Sum of the interior angles = 120° + 140° + 130° + 150° + 88° + x

720° = 628° + x

x = **720°** - 628° = **92°**

Find the interior angle for each irregular polygon.

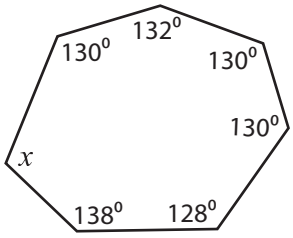
1)



Sum of the interior angles = **540°**

x = **112°**

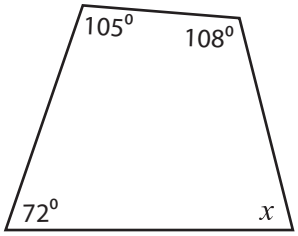
2)



Sum of the interior angles = **900°**

x = **112°**

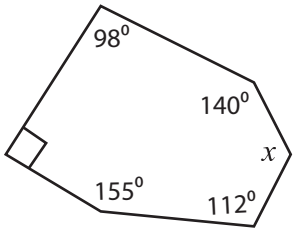
3)



Sum of the interior angles = **360°**

x = **75°**

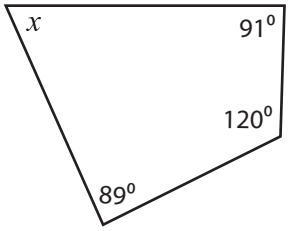
4)



Sum of the interior angles = **720°**

x = **125°**

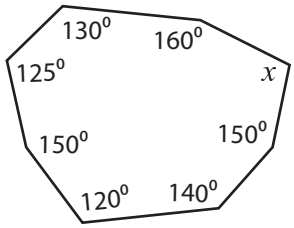
5)



Sum of the interior angles = **360°**

x = **60°**

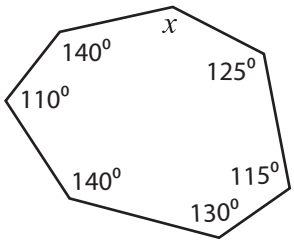
6)



Sum of the interior angles = **1080°**

x = **105°**

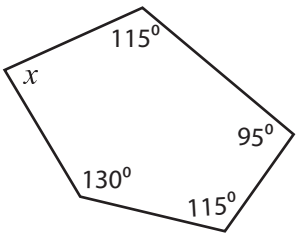
7)



Sum of the interior angles = **900°**

x = **140°**

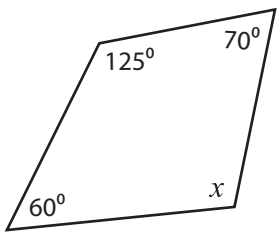
8)



Sum of the interior angles = **540°**

x = **85°**

9)



Sum of the interior angles = **360°**

x = **105°**