Name : _____

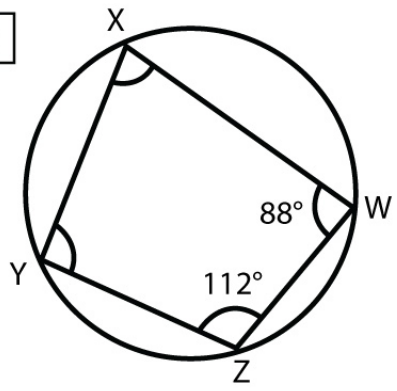
Score : _____ Date : _____

MATH MONKS

Inscribed Quadrilaterals Worksheet

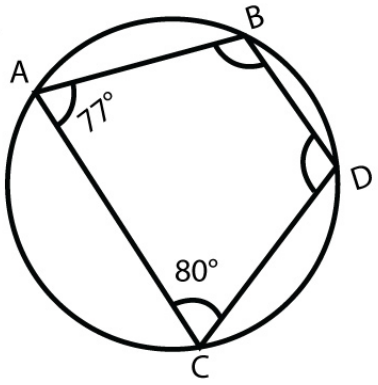
Use the inscribed quadrilateral - opposite angle theorem to find the measure of the unknown angle

1



∠YXW = _____

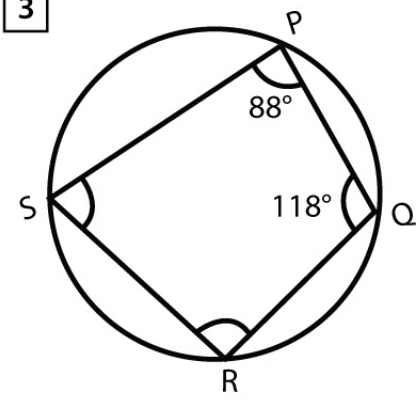
2



∠ABD = _____

∠BDC = _____

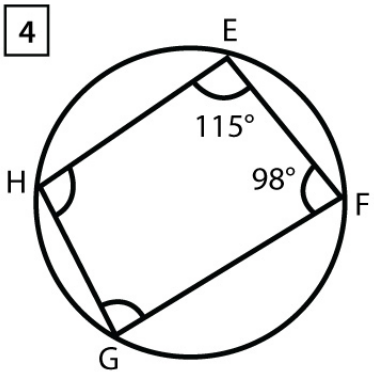
3



∠QRS = _____

∠PSR = _____

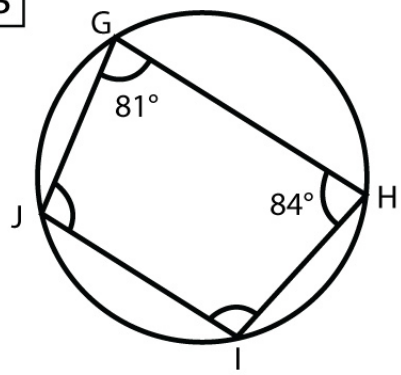
4



∠FGH = _____

∠GHE = _____

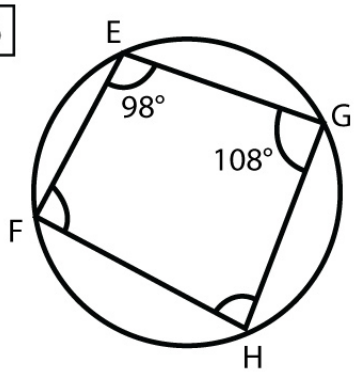
5



∠GJI = _____

∠JIH = _____

6

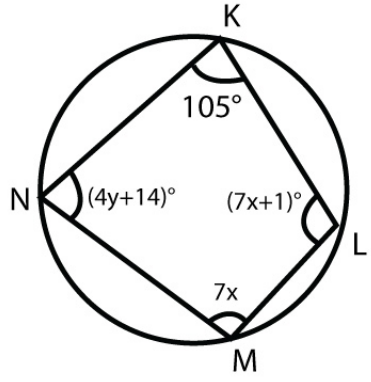


∠EFH = _____

∠FHG = _____

Find the value of 'x' and 'y'

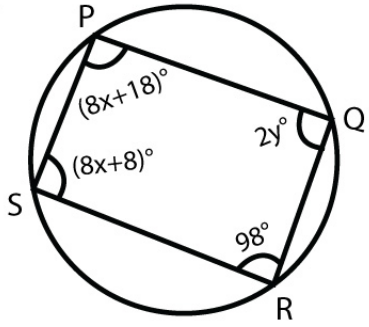
7



x = _____

y = _____

8



x = _____

y = _____

Name : _____

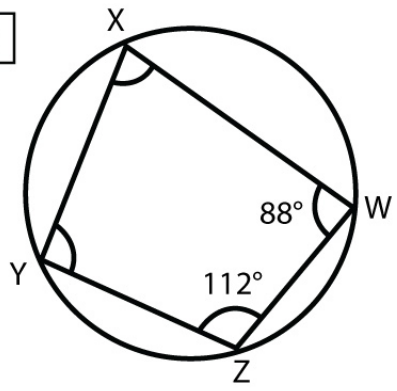
Score : _____ Date : _____

MATH MONKS

Inscribed Quadrilaterals Worksheet

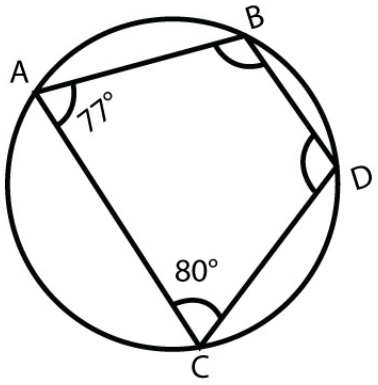
Answers

1



∠YXW = 68°

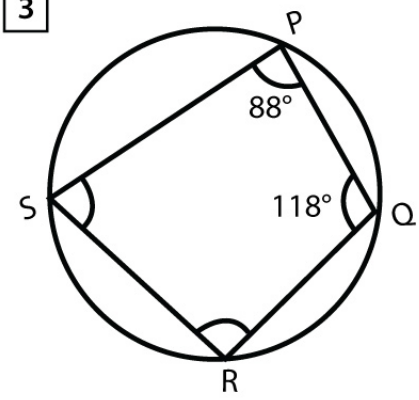
2



∠ABD = 100°

∠BDC = 103°

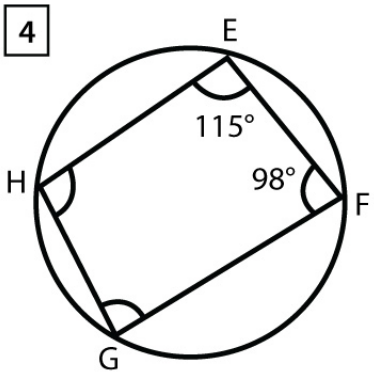
3



∠QRS = 92°

∠PSR = 62°

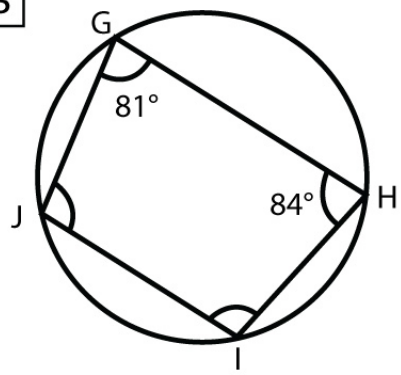
4



∠FGH = 65°

∠GHE = 84°

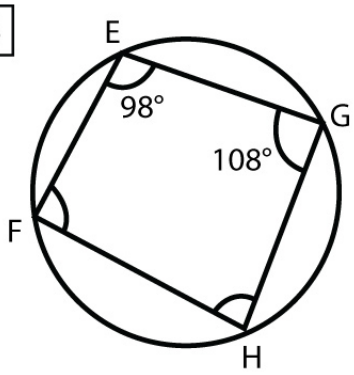
5



∠GJI = 96°

∠JIH = 99°

6

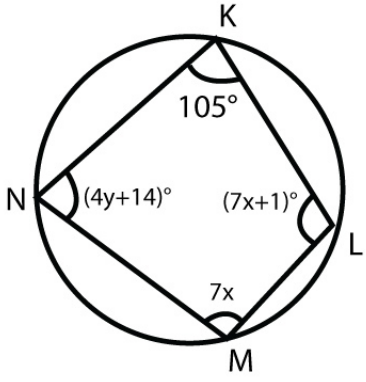


∠EFH = 72°

∠FHG = 82°

Find the value of 'x' and 'y'

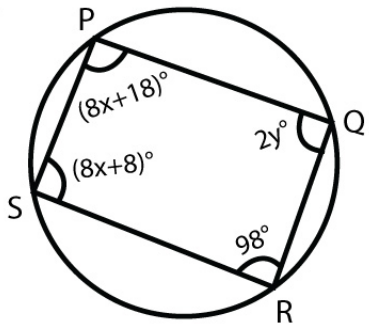
7



x = 15°

y = 23°

8



x = 10°

y = 44°