

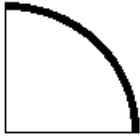


Arc Length and sector Area

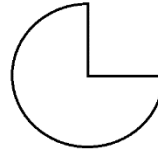


Find the length of each arc. Round your answers to the nearest tenth.

1) $r = 9 \text{ m}, \varphi = 45^\circ$



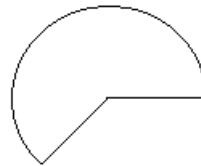
2) $r = 7 \text{ m}, \varphi = \frac{3\pi}{2}$



3) $r = 5 \text{ m}, \varphi = 150^\circ$

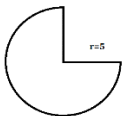


4) $r = 10 \text{ m}, \varphi = \frac{5\pi}{4}$

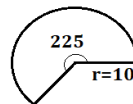


Find Area of a sector. Do not round.

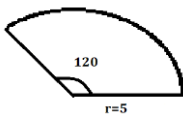
5)



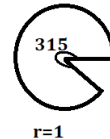
6)



7)



8)



QUIZ ?

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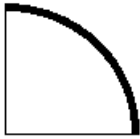


Answers



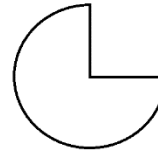
Find the length of each arc. Round your answers to the nearest tenth.

1) $r = 9 \text{ m}, \varphi = 45^\circ$



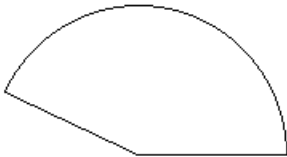
$L = 7$

2) $r = 7 \text{ m}, \varphi = \frac{3\pi}{2}$



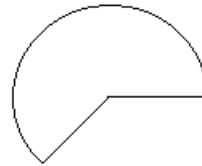
$L = 33$

3) $r = 5 \text{ m}, \varphi = 150^\circ$



$L = 13$

4) $r = 10 \text{ m}, \varphi = \frac{5\pi}{4}$

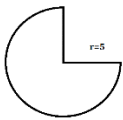


$L = 39$



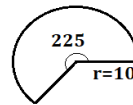
Find Area of a sector. Do not round.

5)



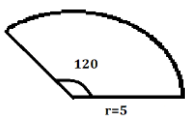
$S = 58.9$

6)



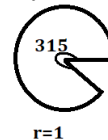
$S = 196.34$

7)



$S = 26.18$

8)



$S = 2.74$



QUIZ ?

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