

Student Name: _____

Score: _____

Length of the Arc Worksheet

Find the length of each arc:

Radius= 7 ft; central angle= 0.45 radians Length of arc= _____	Radius= 3.25 m; central angle= 1 radian Length of arc= _____
Radius= 6.9 cm; central angle= 2 radians Length of arc= _____	Radius= 4 m; central angle= 1.3 radians Length of arc= _____
Radius= 5.7 ft; central angle= 2.2 radians Length of arc= _____	Radius= 9 m; central angle= 1.86 radians Length of arc= _____

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Answers

Radius= 7 ft; central angle= 0.45 radians	Radius= 3.25 m; central angle= 1 radian
Length of arc= 3.15 ft	Length of arc= 3.25 m
Radius= 6.9 cm; central angle= 2 radians	Radius= 4 m; central angle= 1.3 radians
Length of arc= 13.8 cm	Length of arc= 5.2 m
Radius= 5.7 ft; central angle= 2.2 radians	Radius= 9 m; central angle= 1.86 radians
Length of arc= 12.54 ft	Length of arc= 16.74 m