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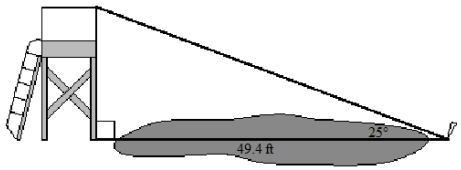
In an obstacle course, participants climb to the top of a tower and use a zip line to travel across a mud pit. The zip line extends from the top of a tower to a point on the ground 49.4 feet away from the base of the tower. The angle of elevation of the zip line is 25°. Estimate the length of the zip line to the nearest tenth of a foot.



Not drawn to scale

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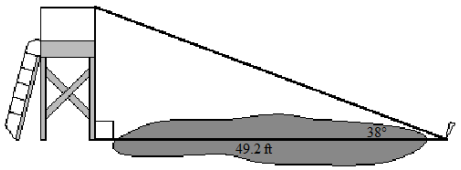
In an obstacle course, participants climb to the top of a tower and use a zip line to travel across a mud pit. The zip line extends from the top of a tower to a point on the ground 49.2 feet away from the base of the tower. The angle of elevation of the zip line is 38°. Estimate the length of the zip line to the nearest tenth of a foot.



Not drawn to scale

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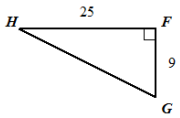
Use $\triangle FGH$ to match the measure below with its approximate value.



a. about 19.8
b. about 68.9
c. about 26.6
d. about 21.1
e. about 70.2

$m\angle H$

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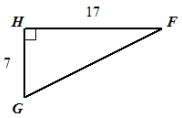
Use $\triangle FGH$ to match the measure below with its approximate value.



a. about 22.4
b. about 65.7
c. about 18.4
d. about 24.3
e. about 67.6

$m\angle F$

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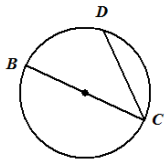
In the diagram, $m\angle C = 40.5°$. Find $m\overset{\frown}{CD}$.



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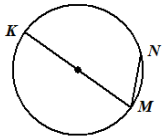
In the diagram, $m\overset{\frown}{MN} = 51°$. Find $m\angle M$.



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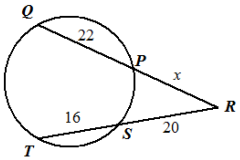
Find the value of x.



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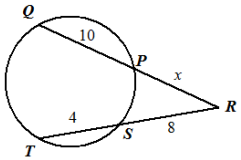
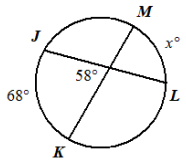
Find the value of x.



powered by ExamView

Find the value of x.



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Find the value of x.