LESSON 9.6

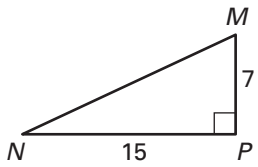
NAME _____ DATE _____

Practice B

For use with pages 567–572

Use the diagram to find the indicated measurement. Round your answer to the nearest tenth.

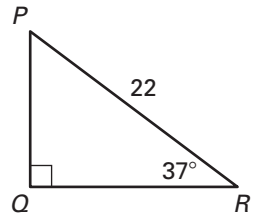
1. MN
2. $m\angle M$
3. $m\angle N$



In Exercises 4–11, $\angle A$ is an acute angle. Use a calculator to approximate the measure of $\angle A$. Round to one decimal place.

4. $\sin A = 0.24$
5. $\tan A = 1.73$
6. $\cos A = 0.62$
7. $\sin A = 0.08$
8. $\cos A = 0.94$
9. $\tan A = 0.87$
10. $\sin A = 0.38$
11. $\tan A = 2.66$

Solve the right triangle. Round decimals to the nearest tenth.

12.


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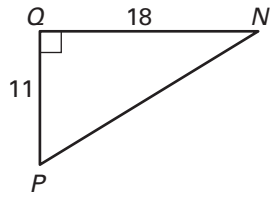

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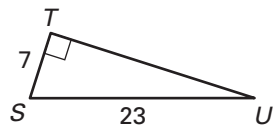

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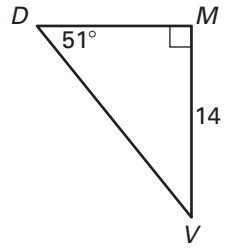

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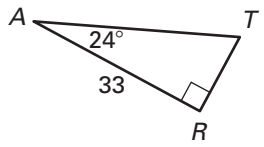

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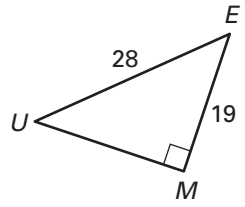
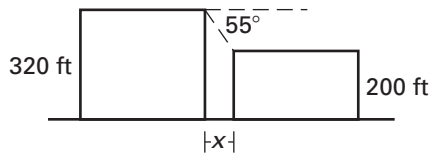


18. ***Ramp*** A ramp was built by the loading dock. The height of the loading platform is 4 feet. Determine the length of the ramp if it makes a 32° angle with the ground.

19. ***Office Buildings*** The angle of depression from the top of a 320 foot office building to the top of a 200 foot office building is 55°. How far apart are the two buildings?



20. ***Suspension Bridge*** Use the diagram to find the distance across the suspension bridge.