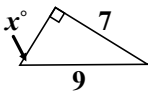
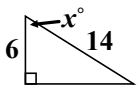
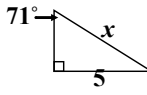
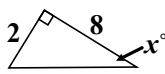
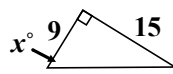
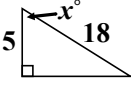
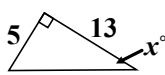
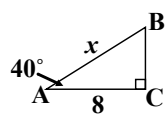
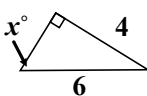


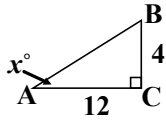
Name: _____

Solving Trigonometry Problems Part 2

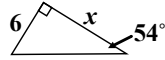
Use the Table of Trigonometric Values to evaluate the measure of x . Round angles to the nearest degree and sides to the nearest tenth.

1. 	2. 	3. 
4. 	5. 	6. 
7. 	8. 	9. 

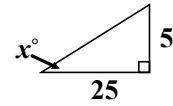
10. Write the trigonometric ratio and solve for x .



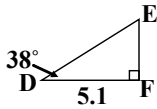
11. Write the trigonometric ratio and solve for x .



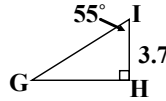
12. Write the trigonometric ratio and solve for x .



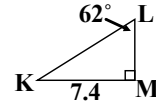
13. Determine the length of DE . Round to the nearest tenth.



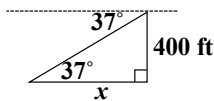
14. Determine the length of GH . Round to the nearest tenth.



15. Determine the length of LM . Round to the nearest tenth.



16. A ranger spots a fire from the top of a watchtower that is 400 ft tall. If the angle of depression from the top of the watchtower to the fire is 37° , what is the horizontal distance between them? Round to the nearest foot.



17. Approximately how long is the building's shadow (round to the nearest tenth)?



18. A ranger spots a fire from the top of a watchtower that is 250 ft tall. If the angle of depression from the top of the watchtower to the fire is 34° , what is the horizontal distance between them? Round to the nearest foot.

