Name_____ Geometry 8-3 Part 2 Worksheet

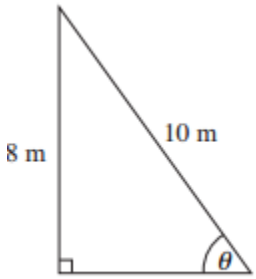
Use a calculator to find angle θ to the nearest degree.

1. $cos\ \theta = 0.5$ 2. $sin\ \theta = 1$ 3. $tan\ \theta = 0.45$ 4. $sin\ \theta = 0.821$

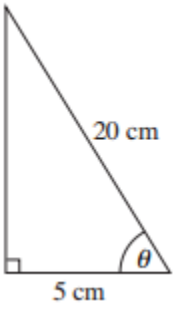
5. $sin\ \theta = 0.75$ 6. $cos\ \theta = 0.92$ 7. $tan\ \theta = 1$ 8. $sin\ \theta = 0.5$

Find the value of angle θ to the nearest degree.

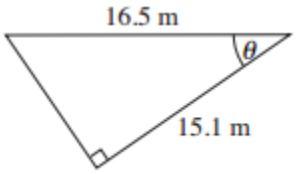
9. $\theta =$ _____



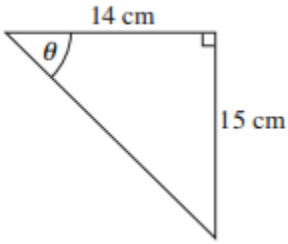
10. $\theta =$ _____



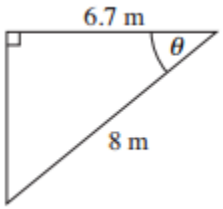
11. $\theta =$ _____



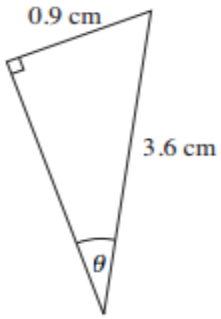
12. $\theta =$ _____



13. $\theta =$ _____

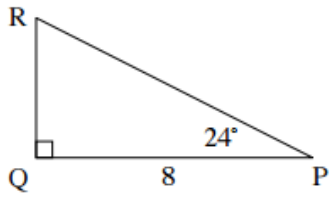


14. $\theta =$ _____

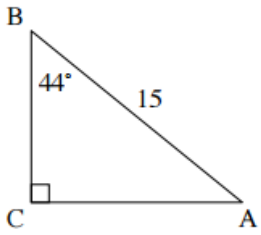


Solve each triangle. Round angles to the nearest degree and sides to the nearest tenth.

15. $m\angle R =$ _____ RQ= _____ $RP =$ _____

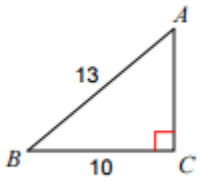


16. $m\angle A =$ _____ $AC =$ _____ $BC =$ _____

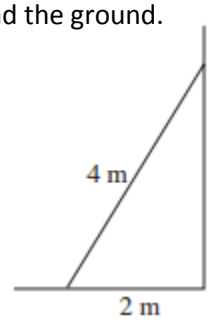


17. $m\angle A =$ _____ $m\angle B =$ _____ $AB =$ _____

18. $m\angle A =$ _____ $m\angle B =$ _____ $AC =$ _____



19. A ladder leans against a wall. The length of the ladder is 4 meters and the base is 2 meters from the wall. Find the angle between the ladder and the ground.



20. Find the value of *w* to the nearest tenth and *x* to the nearest degree.