Lesson 12.1 Assignment Name:_____

Use a calculator to find each trigonometric ratio accurate to the nearest ten thousandth.

1. $\sin 37°$
2. $\cos 29°$
3. $\tan 8°$

Solve for x. Express each answer accurate to the nearest hundredth of a unit.

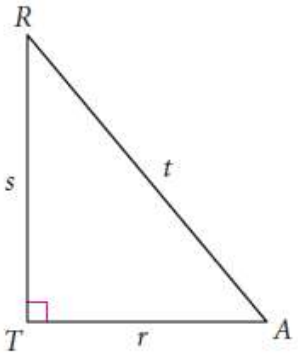
4. $\sin 40° = \frac{x}{18}$
5. $\cos 52° = \frac{19}{x}$
6. $\tan 29° = \frac{x}{12}$

Find each trigonometric ratio.

7. $\sin A =$_____

   $\cos A =$_____

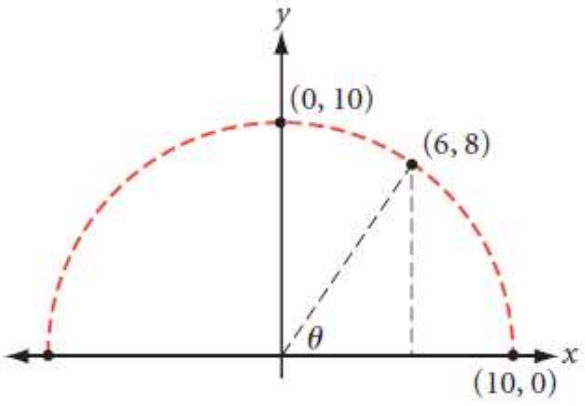
   $\tan A =$_____



8. $\sin \theta =$_____

   $\cos \theta =$_____

   $\tan \theta =$_____



9. $\sin A =$_____

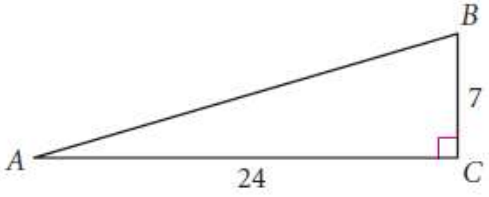
   $\cos A =$_____

   $\tan A =$_____

   $\sin B =$_____

   $\cos B =$_____

   $\tan B =$_____



Find the measure of each angle accurate to the nearest degree.

10. $\sin A = 0.5$

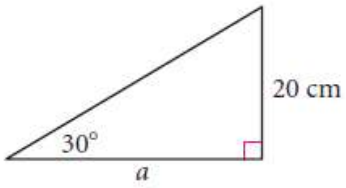
11. $\cos B = 0.6$

12. $\tan C = 0.5773$

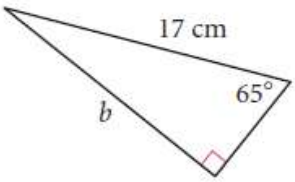
13. $\tan x = \frac{48}{106}$

Find the value accurate to the nearest whole unit.

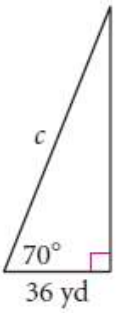
14. $a \approx$_____



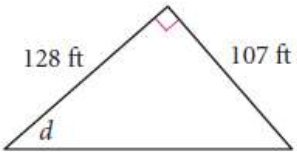
15. $b \approx$_____



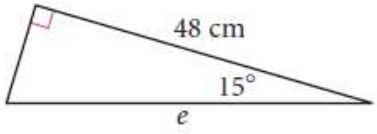
16. $c \approx$_____



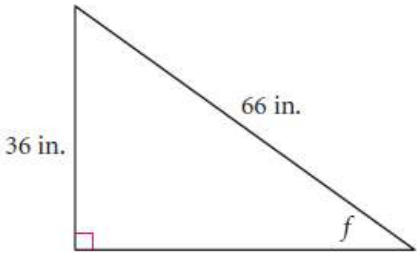
17. $d \approx$_____



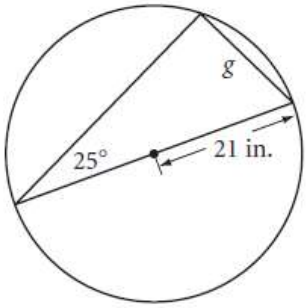
18. $e \approx$_____



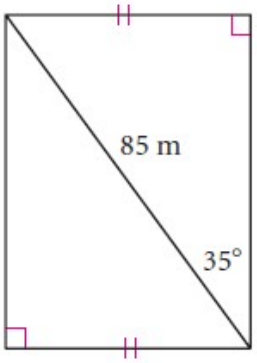
19. $f \approx$_____



20. $g \approx$_____



21. Find the perimeter of the quadrilateral.



22. $x \approx$_____