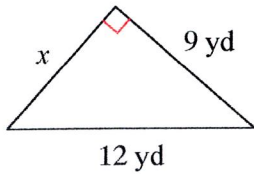


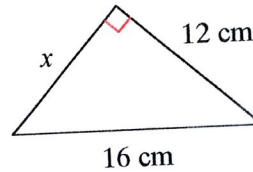
Name _____

Sem 2 TH #4

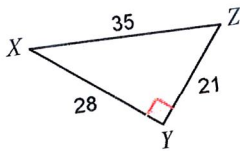
1. Solve using the pythagorean theorem
*leave your answer as a simplified radical



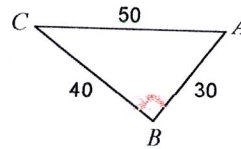
2. Solve using the Pythagorean theorem
*leave your answer as a simplified radical



3. Find the ratio for the $\cos X$ _____

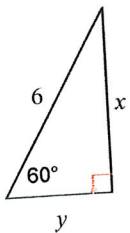


4. Find the ratio for the $\tan C$ _____



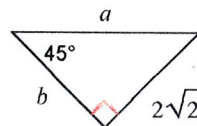
5. Special Right Triangles

$x =$ _____ $y =$ _____

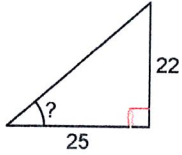


6. Special Right Triangles

$a =$ _____ $b =$ _____



7. Solve for the missing angle



8. Solve for the missing angle A:

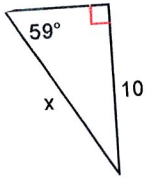
Hint: $\cos C = 0.8746$

$\cos^{-1}(\cos C) = \cos^{-1}(0.8746)$

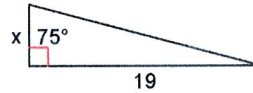
$C = 29^\circ$

$\sin A = 0.9945$

9. Use SohCahToa to find the missing side



10. Use SohCahToa to find the missing side



11. If triangle WXY is a right triangle, $\sin 43 =$

- A. $\sin 43$
- B. $\cos 43$
- C. $\sin 47$
- D. $\cos 47$

12. Find the circumference of the circle

$$C = 2\pi r$$

