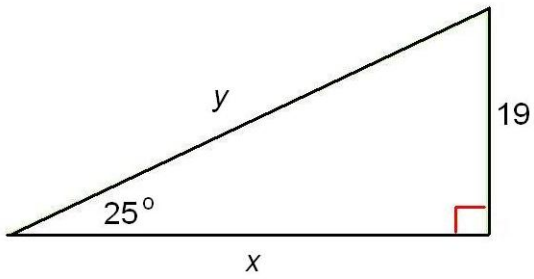
DIRECTIONS: Use the sine (sin), cosine (cos), and tangent (tan) ratios to solve for x and y in the following right triangles. Round your answers to the nearest tenth (one decimal place). Show all work.

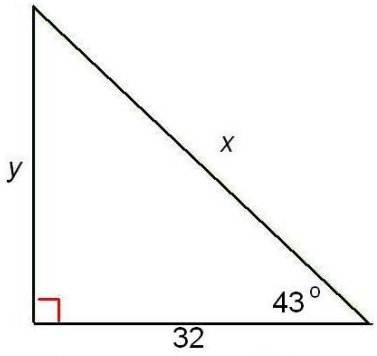
1. $x = 40.7$

$y = 45.0$



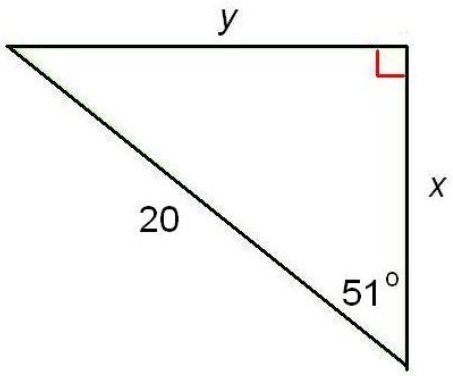
2. $x = 43.8$

$y = 29.8$



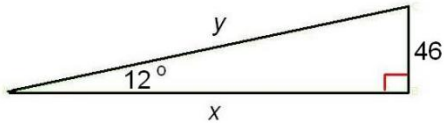
3. $x = 12.6$

$y = 15.5$



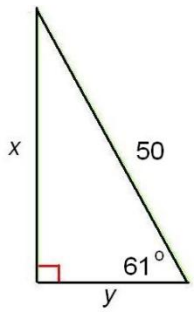
4. $x = 216.4$

$y = 221.2$



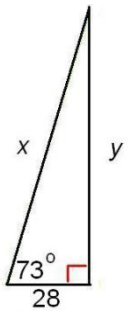
5. $x = 43.7$

$y = 24.2$



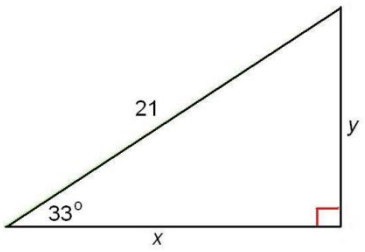
6. $x = 95.8$

$y = 91.6$



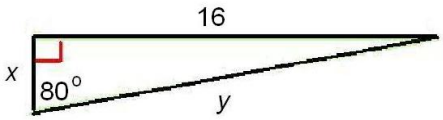
7. $x = 17.6$

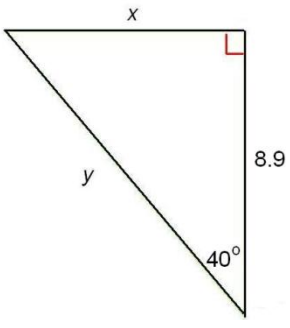
$y = 11.4$



8. $x = 2.8$

$y = 16.2$



9. $x = 7.5$

$y = 11.6$