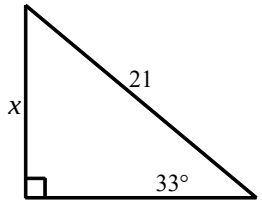
NAME:_____

1. What is x to the nearest hundredth?



[A] $x = 11.44$ [B] $x = 13.64$

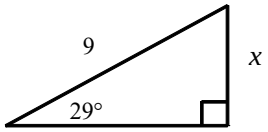
[C] $x = 17.61$ [D] $x = 32.34$

2. In ΔABC, $\angle A$ is a right angle and $m\angle B = 45$. If $AB = 17$ feet, find AC.

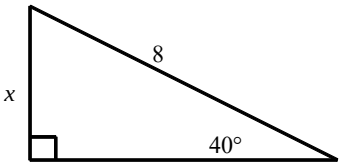
[A] 14.722 ft [B] 29.445 ft

[C] 17 ft [D] 24.042 ft

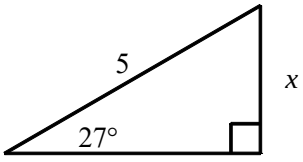
3. Use a table or calculator to find x.



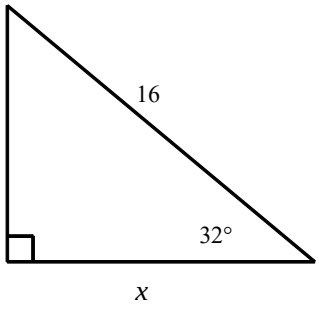
4. Find x to the nearest hundredth.



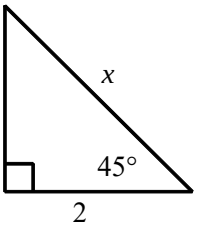
5. Find x.



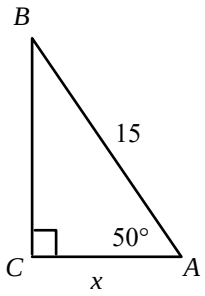
6. Find x, to the nearest hundredth.



7. Solve for x.



8. Use a calculator to find the value of x in the triangle shown.



9. Solve the right triangle given that $A = 65°$, $C = 90°$, and $a = 12$ m.

10. Solve the right triangle given that $A = 15°$, $C = 90°$, and $a = 14$ m.

[1] A

[2] C

[3] 4.3633

[4] 5.14

[5] 2.27

[6] 13.57

[7] $2\sqrt{2}$

[8] about 9.6

[9] $B = 25°$
$b = 5.60$ m
$c = 13.24$ m

[10] $B = 75°$
$b = 52.25$ m
$c = 54.09$ m