

Name _____ Score: $\frac{\quad}{15}$

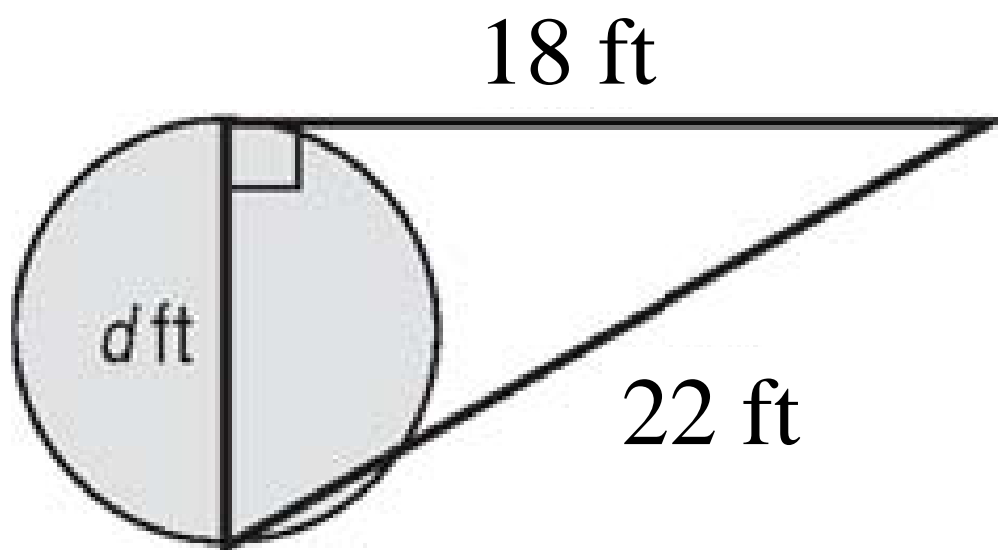
Gillespie

Course 3: Learning Check Ch5a

Triangles and the Pythagorean Theorem

Directions: In order to receive extra credit, you need to receive 100% on this assignment, and show all your work on scratch paper. I will collect your paper work when I return.

- 1) Determine the missing value of a in the right triangle. Round to the nearest tenth if necessary. $b = 19\text{ cm}$; $c = 21\text{ cm}$
- 2) Determine the missing value of b in the right triangle. Round to the nearest tenth if necessary. $a = 95\text{ ft}$; $c = 120\text{ ft}$
- 3) Determine the diameter d of the circle in the figure. Round to the nearest tenth if necessary.



Click on the following links for video example. You may need to open this file in iBooks in order for the links to work.

combine like terms

video1

video2

multi-step equations

video1

video2

equations w/ variables on both sides

video1

video2

video3

video4

video5

4) Solve the equation $5n + 4 = -26$

5) Solve the equation $\frac{x}{4} - 1 = 7$

6) Solve the equation $\frac{a}{-16} + 101 = 99$

7) Solve the equation $6t - 2 + 3t + 17 = 42$

8) Solve the equation $16 - 2n - 5 + 8n = 65$

9) Solve the equation $5(k - 2) - 8k = -34$

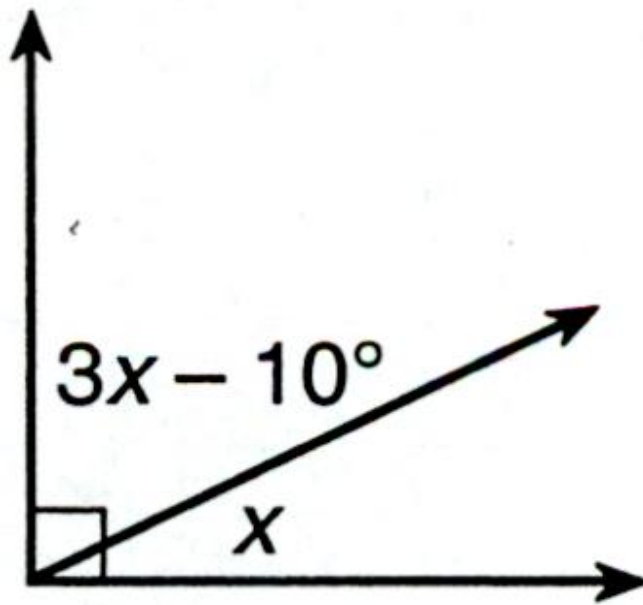
10) Solve the equation $2(3t - 8) - 4t = 10$

11) Solve the equation $4q - 15 = 6q - 1$

12) Solve the equation $q + 14 = 8(q + 7)$

13) Solve the equation $4(w - 6) = 3(w + 1)$

14) Solve for x



15) Solve for x

