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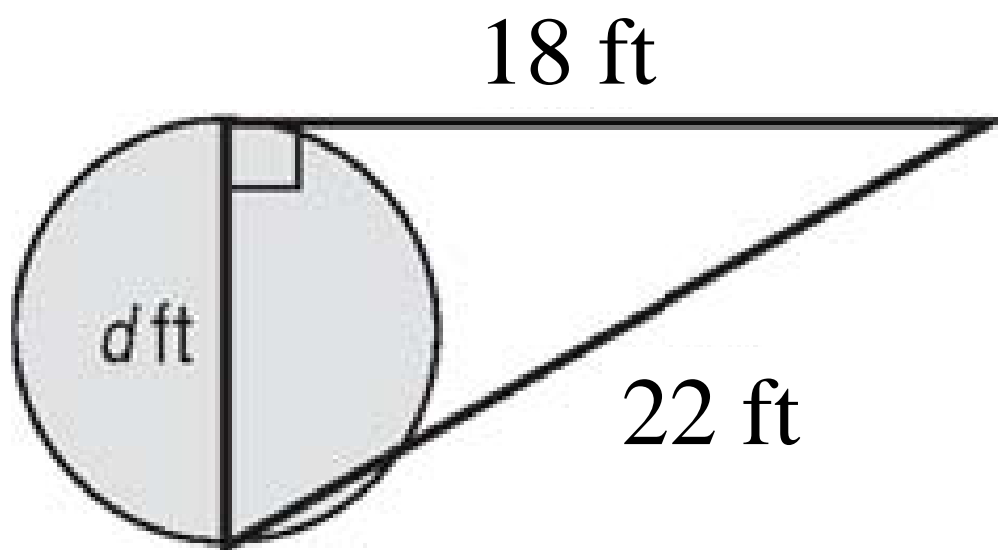
Gillespie

Course 3: Learning Check Ch5a

Triangles and the Pythagorean Theorem

1) Determine the missing value of a in the right triangle. Round to the nearest tenth if necessary. $b = 19\ cm; c = 21\ cm$

2) Determine the missing value of b in the right triangle. Round to the nearest tenth if necessary. $a = 95\ ft\ ; c = 120\ ft$

3) Determine the diameter d of the circle in the figure. Round to the nearest tenth if necessary.

18 ft

d ft

22 ft

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 $16 - 2n - 5 + 8n = 65$

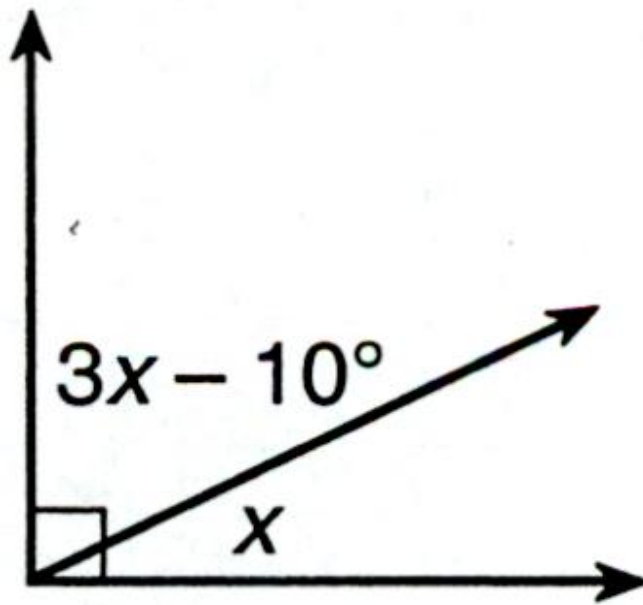9) Solve the equation $5(k - 2) - 8k = -34$

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

$3x - 10°$

x

15) Solve for x

$2x - 1°$

x $x + 5°$