

9. a. $x = \frac{c-b}{a}$
b. 4; 12
11. Sample answer: The equation was not solved for x because it appears on each side of the solution; $x = \frac{4}{k+3}$
13. $c = \frac{b}{a}$
15. $f = \frac{h}{dg}$
17. $y = 4 - \frac{2x}{3}$
19. $b = \frac{1}{2ac}$
21. $x = \frac{6a}{5}$
23. $h = \frac{3V}{\pi r^2}$
25. $y = \frac{ac}{a-b-c}$
27. $G = \frac{Fr^2}{m}$
29. a. $T = \frac{7}{30}c + 40$
b. $c = \frac{30}{7}(T - 40)$
c. 210 chirps
31. a. $b_1 = \frac{2A}{h} - b_2$
b. 22 ft
c. Answers may vary. Sample answer: Solve $22 - 2d = 6$; 8 ft
33. $c = \frac{ad}{b}$
35. **Part A** $h = 2r$; The height is 2 times the radius.
Part B A can that meets the manufacturer's goals will have a label with area $A = 4\pi r^2$.