Models and Applications

1. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$V = \frac{4}{3}\pi r^2 h \quad for \quad h$$

2. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$Ax + By = C \quad for \quad y$$

3. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$\frac{1}{5}x - \frac{2}{3}y = 4 \quad for \quad y$$

4. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$A = \frac{B}{x+y} \quad for \quad x$$

5. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$A = 2bx + 3by - 7 \quad for \quad b$$

6. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$\frac{x}{y} = \frac{3}{z} + \frac{a}{b} \quad for \quad b$$

7. Solve each formula for the specified variable:
(Similar to p.128 #56-74)

$$s = \frac{1}{2} gt^2 + vt \quad for \quad g$$