Section 1.1

Video 1

Solve.

1) $x + 7 = 4$

2) $x - 9 = 16$

3) $-6x = 42$

4) $8x = 30$

Solve.

5) $3x - 19 = -7$

6) $5x + 17 = 7x - 39$

Video 2

7) $3x - 5 + 4x = 9(x + 2)$

8) $5(4x - 3) - 2(3x + 11) = 4x + 15$

Solve.

9) $\dfrac{2}{3}x - \dfrac{3}{4} = 5x + \dfrac{7}{2}$

10) $\dfrac{1}{15}(2x+5) = \dfrac{1}{9}(x+2)$

Video 3

Solve

11) $\dfrac{1}{2}(6x+20) = x + 4 + 2(x+3)$

12) $-6(2x+1) - 3(x-4) = -15x + 1$

Video 4

13) Solve for *y*.

$$3x + 2y = 18$$

14) Solve for *t*.

$$I = P\, r\, t$$

15) Solve for *h*.

$$S = 2lw + 2lh + 2wh$$

16) Solve for *x*.

$$8a - bx = 5a + cx$$