

Practice 3.1

$$1 \quad 3x - 0.4(5 - 2x) = 5.6$$

$$2 \quad \frac{5(x + 2)}{3} - \frac{x - 1}{3} = 1$$

Practice 3.1

3 $3x + 0.5(10x - 6) = 21$

Practice 3.1

$$1 \quad 3x - 0.4(5 - 2x) = 5.6 \quad x = 2$$

$$2 \quad \frac{5(x + 2)}{3} - \frac{x - 1}{3} = 1 \quad x = -2$$

Practice 3.1

3 $3x + 0.5(10x - 6) = 21$

$$x = 3$$

$$4(x + 2) - 2(x - 4) = 32$$

$$\begin{aligned}4(x + 2) - 2(x - 4) &= 32 \\4x + 8 - 2x + 8 &= 32 \\2x + 16 &= 32 \\2x + 16 - 16 &= 32 - 16 \\2x &= 16 \\\frac{2x}{2} &= \frac{16}{2} \\x &= 8\end{aligned}$$

$$0.8(5 + 5x) + 4x = 20$$

$$\begin{aligned}0.8(5 + 5x) + 4x &= 20 \\4 + 4x + 4x &= 20 \\4 + 8x &= 20 \\4 + 8x - 4 &= 20 - 4 \\8x &= 16 \\\frac{8x}{8} &= \frac{16}{8} \\x &= 2\end{aligned}$$

$$7(x + 5) - 3(2x + 3) = 33.8$$

$$\begin{aligned}7(x + 5) - 3(2x + 3) &= 33.8 \\7x + 35 - 6x - 9 &= 33.8 \\x + 26 &= 33.8 \\x + 26 - 26 &= 33.8 - 26 \\x &= 7.8\end{aligned}$$