

## Warm Up Questions

1.  $\frac{2x}{3} + 2x = 16$

2.  $x + x + x + 2 = x + 10$

3.  $\frac{-3x}{4} = 6$

4.  $5 - 2x + 3 + 6x = 16 + 2x$

5.  $3(x - 4) = 2(x - 1)$

$$1. \frac{2x^{\cancel{2}}}{\cancel{3}} + 2x^{\cancel{3}} = 16^{\cancel{3}}$$

$$2x + 6x = 48$$

$$\frac{8x}{8} = \frac{48}{8}$$

$$x = 6$$

$$2. \cancel{x} + \cancel{x} + \cancel{x} + 2 = x + 10$$

$$3x + 2 = 1x + 10$$

$$3x - 1x = 10 - 2$$

$$\frac{2x}{2} = \frac{8}{2}$$

$$x = 4$$

$$3. \frac{-3x}{4} = 6$$

$$\frac{-3x}{-3} = \frac{24}{-3}$$

$$x = -8$$

$$4. \quad \boxed{5} - 2x + \boxed{3} + 6x = 16 + 2x$$
$$\boxed{8} + 4x = 16 + \boxed{2x}$$

$$4x - 2x = 16 - 8$$

$$\frac{2x}{2} = \frac{8}{2}$$

$$x = 4$$

$$5. \quad 3(x - 4) = 2(x - 1)$$

$$3x - 12 = 2x - 2$$

$$3x - 2x = -2 + 12$$

$$x = +10$$