

**YTI 1**

Solve each equation by first clearing the fractions. Verify the solution.

a)  $\frac{x}{3} = x + 4$

b)  $m - 3 = \frac{4}{5} m - 2$

c)  $\frac{x}{5} - 4 = 2 - \frac{2x}{5}$

d)  $\frac{1}{2} + w = 8 - \frac{3w}{2}$

**YTI 2**

Solve each equation by first identifying the LCD and clearing the fractions. Verify the solution.

a)  $\frac{3y}{4} - 6 = \frac{y}{8} + 4$

b)  $p - \frac{p}{6} = \frac{p}{3} + 2$

c)  $\frac{3x}{20} + \frac{1}{10} = \frac{x}{4} - \frac{1}{5}$

d)  $\frac{w}{4} + \frac{11}{12} = \frac{1}{2} - \frac{w}{6}$

**YTI 4**

Solve the equation by first clearing the decimals. Verify the solution.

b)  $2w - 0.4 = 1 + 1.8w$

b)  $0.17k - 0.43 = 0.25k + 0.05$

c)  $0.27v - 1.6 = 0.32v - 2$

d)  $0.1x - 0.006 = 0.08x + 0.134$

**YTI 5**

Solve each equation and verify the solution.

a)  $\frac{1}{2}(2h - 1) = \frac{1}{3}\left(2h + \frac{1}{2}\right)$

b)  $0.5(p + 3) = 3(0.1 + 0.16p)$

c)  $\frac{1}{8}(3y + 2) = \frac{1}{4}\left(2y + \frac{1}{2}\right) + \frac{1}{2}$

d)  $0.6(10n - 3) = 1.5(n + 2) - 0.3$

## **Answers: You Try It and Think About It**

- YTI 1:**      a)  $x = -6$       b)  $m = 5$       c)  $x = 10$       d)  $w = 3$
- YTI 2:**      a)  $y = 16$       b)  $p = 4$       c)  $x = 3$       d)  $w = -1$
- YTI 4:**      a)  $w = 7$       b)  $k = -6$       c)  $v = 8$       d)  $x = 7$
- YTI 5:**      a)  $h = 2$       b)  $p = -60$       c)  $y = -3$       d)  $n = 1$