

Homework 3.4 - Solving Equations with Fractions

Date _____

Solve each equation. First find the common denominator!

1) $\frac{y}{12} = \frac{2}{3}$

2) $\frac{x}{2} = \frac{x}{3} - 1$

3) $\frac{m}{4} = \frac{m}{5} + 1$

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

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

6) $\frac{x+1}{3} = \frac{x-1}{5}$

$$7) \frac{x+1}{3} = \frac{x-1}{5}$$

$$8) \frac{2x-3}{2} = \frac{-x-1}{4}$$

$$9) \frac{n-1}{3} + \frac{n+2}{6} = 7$$

$$10) \frac{w+1}{2} - \frac{w-7}{6} = 3$$

$$11) \frac{4x+5}{3} - \frac{3x}{2} = -x$$

$$12) 4 = \frac{k+1}{3} + \frac{k+5}{5}$$

$$13) \frac{2y-1}{3} - \frac{y+2}{4} = -5$$

$$14) \frac{2x+1}{3} - \frac{x+4}{5} = 7$$