

Name _____

Date _____

Homework #12 Solve for the variable and show all work!

Period _____

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

2) $\frac{x+2}{4} = \frac{x}{2}$

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

4) $\frac{6}{x-1} = \frac{5}{x+2}$

5) $\frac{x}{2} + \frac{5}{6} = 6$

6) $\frac{10}{x} = \frac{25}{3x} - \frac{1}{3}$

$$7) \frac{n}{5} - \frac{3n}{10} = \frac{1}{5}$$

$$12) \frac{1}{3}m + 2m = m - \frac{3}{2}$$

$$9) \frac{x}{3} - \frac{3x}{4} = 5 - \frac{5x}{6}$$

$$10) \frac{2x-3}{4} - \frac{x-2}{3} = 2$$