## Proportions

1. Solve each proportion problem for X. Write each answer as a reduced fraction.

$$\frac{2}{6} + \frac{3}{4} + \frac{3}{2} + \frac{12}{5}$$

$$\frac{0}{8} = \frac{2}{4}$$
  $\frac{0.6}{5} = \frac{0.6}{4}$ 

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	e) $\frac{1.2x}{0.7} = \frac{0.04}{0.3}$ f) $\frac{5.4}{9} = \frac{6}{0.3x}$
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## Proportions: No Calculators!

1 Solve each proportion problem for X. Write each answer as a reduced fraction.

a) 
$$(\frac{x}{6} = \frac{3}{4})$$

$$4x = 18$$

$$\begin{array}{c|c} x = 12 \\ x = 5 \end{array}$$

$$\frac{25}{12} = \frac{12x}{72}$$

$$\left(\frac{25}{12} - X\right)$$

$$\frac{d}{5} = \frac{0.6}{4} \frac{100=10}{5}$$

$$\frac{3X}{5} = \frac{0.6(10)}{4(10)}$$

$$\frac{3\chi}{5} = \frac{6/2}{40/2}$$

$$\frac{3x = 64}{3}$$

$$\left(\chi = \frac{64}{3}\right)$$

$$3X = 3$$

$$5 = 20$$

$$\frac{60x = 15}{60}$$

$$X = \frac{15/3}{60/15}$$