

1.3/1.6 Equations and Inequalities

Solve for x :

$$\textcircled{1} \quad \overset{30}{\left[\frac{2}{3}x + \frac{1}{5} = 2x - \frac{3}{10} \right]}$$

$$20x + 6 = 60x - 9$$

$$15 = 40x$$

$$\frac{3}{8} = x$$

$$\textcircled{2} \quad \left[.5x - 5.3 = .08x + 1 \right] 100$$
$$50x - 530 = 8x + 100$$

$$42x = 630$$

$$x = 15$$