

LCD: 6

$$\frac{5x}{6} + \frac{1}{2} = \frac{x}{3}$$

$\downarrow \quad \downarrow \quad \downarrow$

$$5x + 3 = 2x$$

$\cancel{-5x} \quad \cancel{-5x}$

(brace under 3 and -3)

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

$$\cancel{-1} = x$$

W:  $\frac{5x}{6} + \frac{1}{2} = \frac{x}{3}$

$$\frac{5(-1)}{6} + \frac{1}{2} = \frac{-1}{3}$$

$$\frac{-5}{6} + \frac{1 \cdot 3}{2 \cdot 3} \frac{3}{6} = -\frac{1}{3}$$

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

$$\frac{-2}{6} = -\frac{1}{3}$$
$$\frac{-1}{3} = -\frac{1}{3}$$