

LCD: 6

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

⇒

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

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

$$-1 = x$$

W:

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

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

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

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

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

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