

QUESTION:

$$1/6 - x/2 = x - 5/3$$

SOLUTION:

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

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

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

$$3-9x = 18x-30$$

$$-9x-18x = -30-3$$

$$-27x = -33$$

$$x = \frac{33}{27} = \frac{11}{9}$$

ANSWER:

$$x=11/9$$