

Mark (✓) against the correct answer

If $5x - \frac{3}{4} = 2x - \frac{2}{3}$, then $x = ?$

(a) $\frac{1}{12}$

(b) $\frac{1}{4}$

(c) 36

(d) $\frac{1}{36}$

ANSWER:

(d) $\frac{1}{36}$

We have:

$$5x - \frac{3}{4} = 2x - \frac{2}{3}$$

$$\Rightarrow 5x - 2x = \frac{-2}{3} + \frac{3}{4}$$

$$\Rightarrow 3x = \frac{-8+9}{12}$$

$$\Rightarrow x = \frac{1}{12 \times 3}$$

$$\Rightarrow x = \frac{1}{36}$$