

Practice 3.1

Write each repeating decimal as a fraction. Show your work.

① $0.8\overline{3}$

② $0.0\overline{5}$

③ $\frac{3x - 2}{8} + \frac{2 - x}{4} = -\frac{1}{2}$

Practice 3.1

$$4 \quad \frac{x+1}{6} - \frac{5-3x}{4} = \frac{1}{3}$$

Practice 3.1

Write each repeating decimal as a fraction. Show your work.

1 $0.8\overline{3}$

$$\frac{5}{6}$$

2 $0.0\overline{5}$

$$\frac{1}{18}$$

3 $\frac{3x - 2}{8} + \frac{2 - x}{4} = -\frac{1}{2} \quad x = -6$

Practice 3.1

$$4 \quad \frac{x+1}{6} - \frac{5-3x}{4} = \frac{1}{3}$$

$$x = 3$$