

Review: Solving Proportions

Solve each proportion.

$$1) \frac{3}{x} = \frac{9}{6}$$

$$2) -\frac{6}{5} = \frac{x}{10}$$

$$3) \frac{x+1}{3} = \frac{1}{2}$$

$$4) -\frac{4}{3} = \frac{2x-1}{6}$$

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

$$6) \frac{3}{x+1} = \frac{x+2}{10}$$

$$7) \frac{x+1}{-5} = \frac{-8}{3x+1}$$

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

Answers

$$1) x = 2$$

$$2) x = -12$$

$$3) x = \frac{1}{2}$$

$$4) x = -\frac{7}{2}$$

$$5) x = -1, 3$$

$$6) x = -7, 4$$

$$7) x = -\frac{13}{3}, 3$$

$$8) x = -\frac{1}{5}$$