

Name: _____

Solving Linear Equation by Cross-multiplication Worksheet

Solve each equation

1 $\frac{3}{r} = \frac{2}{4}$

2 $\frac{x}{10} = \frac{8}{6}$

3 $\frac{2}{5} = \frac{p+6}{8}$

4 $\frac{n+6}{2} = \frac{n}{8}$

5 $\frac{10}{x} = \frac{6}{x-9}$

6 $\frac{b}{2} = \frac{b-1}{8}$

7 $\frac{x+4}{x+2} = \frac{6}{9}$

8 $\frac{p+9}{2} = \frac{2p}{3}$

9 $\frac{m-8}{5} = \frac{2}{6}$

10 $\frac{r}{r+5} = \frac{7}{5}$

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Answers

$$1 \quad \frac{3}{r} = \frac{2}{4}$$

$$\frac{6}{\quad}$$

$$3 \quad \frac{2}{5} = \frac{p+6}{8}$$

$$\frac{-\frac{14}{5}}{\quad}$$

$$5 \quad \frac{10}{x} = \frac{6}{x-9}$$

$$\frac{\frac{45}{2}}{\quad}$$

$$7 \quad \frac{x+4}{x+2} = \frac{6}{9}$$

$$\frac{-8}{\quad}$$

$$9 \quad \frac{m-8}{5} = \frac{2}{6}$$

$$\frac{\frac{29}{3}}{\quad}$$

$$2 \quad \frac{x}{10} = \frac{8}{6}$$

$$\frac{\frac{40}{3}}{\quad}$$

$$4 \quad \frac{n+6}{2} = \frac{n}{8}$$

$$\frac{-8}{\quad}$$

$$6 \quad \frac{b}{2} = \frac{b-1}{8}$$

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

$$8 \quad \frac{p+9}{2} = \frac{2p}{3}$$

$$\frac{27}{\quad}$$

$$10 \quad \frac{r}{r+5} = \frac{7}{5}$$

$$\frac{-\frac{35}{2}}{\quad}$$