



Proportions

Name: _____

Date: _____

Score: _____

Direction: Solve each proportion. Show all your work in the space provided.

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

2) $\frac{x}{x+2} = \frac{-9}{2}$

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

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

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

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



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

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

2)
$$\frac{x}{x+2} = \frac{-9}{2}$$

$$x = -\frac{18}{11}$$

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

$$x = -35$$

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

$$x = -3$$

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

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

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

no solution