

Proportions

#53

Name: _____

Date: _____

Score: _____

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

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

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

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

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

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

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

- 7) In the accompanying diagram, line a intersects line b .



What is the value of x ?

- (1) -10 (3) 10
(2) 5 (4) 90
- 8) The accompanying diagram shows intersecting lines ℓ and m . Solve for the value of x ?

