

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Mrs. Perez and Miss Pavlik were given the equation below and were told to solve for x.

(a) Finish their work and determine who solved it correctly.

Provide evidence to defend your answers in the lines below.

$$\frac{x + 11}{3} = -2$$

Mrs. Perez's solution:

$$\frac{x+11}{3} = -2$$

$$\cancel{3} \cdot \frac{x+11}{\cancel{3}} = -2 \cdot 3$$

$$\cancel{x+11} = -6$$
$$\cancel{-11} \quad \cancel{-11}$$

$$x =$$

Miss Pavlik's solution:

$$\frac{x+11}{3} = -2$$

$$\frac{x+11}{3} = \frac{-6}{3}$$

$$\cancel{x+11} = -6$$
$$\cancel{-11} \quad \cancel{-11}$$

$$x =$$

\_\_\_\_\_ is correct because \_\_\_\_\_

I know this is true because \_\_\_\_\_