

Day 6 HW

Name: _____

Date: _____

1. Lin solved the equation $8(x - 3) + 7 = 2x(4 - 17)$ incorrectly. Below is her work:

$$8(x - 3) + 7 = 2x(4 - 17)$$

$$8(x - 3) + 7 = 2x(13)$$

$$8x - 24 + 7 = 26x$$

$$8x - 17 = 26x$$

$$- 17 = 34x$$

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

- a. Find the errors in her solution.
- b. What should her answer have been?
2. Diego is asked to solve $3k - 8 = 4(k+5)$.
- a. What are two different methods he can use to solve for x in this problem?
- b. What is the solution? (Show work)

Day 6

Complete the following exercises and show work:

$$1. \frac{12+6x}{3} = \frac{5-9}{2}$$

$$2. x - 4 = \frac{1}{3}(6x - 54)$$