Section 11.4 Extra Practice

1. What is the first operation you should apply to solve each equation?

Example: $9k + 5 = 86$ <u>Subtract 5</u>.

a) $4s + 6 = 22$ _____

b) $26 = 7w + 5$ _____

c) $5n - 8 = 28$ _____

d) $26 = 8t - 6$ _____

2. Copy and solve each equation.

Example: $4p - 6 = 10$
$$4p - 6 + 6 = 10 + 6$$
$$4p = 16$$
$$4p \div 4 = 16 \div 4$$
$$p = 4$$

a) $5x + 6 = 51$
b) $7n - 3 = 25$
c) $40 = 10h + 10$
d) $33 = 4x - 11$

3. Copy, solve, and check each equation.

Example:
$$26 = 3t - 10 \qquad \text{Check:}$$
$$10 + 26 = 3t - 10 + 10 \qquad \text{Left Side} = 26 \quad \text{Right Side} = 3t - 10$$
$$36 = 3t \qquad\qquad\qquad\qquad\qquad\qquad = 3(12) - 10$$
$$36 \div 3 = 3t \div 3 \qquad\qquad\qquad\qquad\qquad = 36 - 10 = 26$$
$$12 = t \qquad\qquad \text{Left Side} = \text{Right Side}$$

a) $4a + 5 = 25$
b) $12 + 3c = 18$
c) $8 = 7n - 13$
d) $46 = 12m - 14$