

6.1 Quiz

/10

Name: _____
Block: _____

- 1) Convert the following statement into a mathematical equation. [1/2]

Seven times a number and six is eleven

$$7x + 6 = 11$$

- 2) Solve. [1/2]

$$7n + 3 = 38$$
$$-3 \quad -3$$

$$\frac{7n}{7} = \frac{35}{7}$$
$$n = 5$$

- 3) Solve. [1/3]

$$3(5n + 4) = 42$$

$$15n + 12 = 42$$
$$-12 \quad -12$$

$$\frac{15n}{15} = \frac{30}{15}$$
$$n = 2$$

- 4) 15% of a number is 6.3. What is the number? [1/3]

$$\frac{0.15n}{0.15} = \frac{6.3}{0.15}$$
$$n = 42$$