Quiz 5.3

1) Jim bought 12 AAA Batteries for $11.76.

A. Write an inequality that can be used to determine the maximum number of AAA batteries that Jim can buy with $15.

B. What is the maximum number of AAA batteries that Jim can by with $15?

A) $11.76 \le 12x$, 1 battery
B) $15 \ge 1.02x$, 14 batteries
C) $15 \ge 0.98x$, 15 batteries
D) $12 \ge 0.98x$, 12 batteries

2) Krystal had $23 to spend on four avocados. After buying them she had $11 for chips.

A. Write an inequality that can be used to determine the maximum number of avocados that Krystal can buy with $15.

B. What is the maximum number of avocados that Krystal can buy with $15?

A) $15 \ge 3x + 11$, 1 avocado
B) $15 \ge 5.75x$, 2 avocados
C) $23 \ge 3x$, 7 avocados
D) $15 \ge 3x$, 5 avocados

Solve each proportion.

3) $\frac{6}{4} = \frac{8 - b}{5}$

A) $\{\frac{1}{2}\}$ B) $\{2\}$
C) $\{-\frac{11}{2}\}$ D) $\{\frac{16}{5}\}$

4) $\frac{2v - 8}{4} = \frac{7}{5}$

A) $\{3.6\}$ B) $\{2\}$
C) $\{6.8\}$ D) $\{-2.2\}$