

Algebra 1 Bellwork Tuesday, January 5, 2016

Find the exact solution to each.

1. $2x + 3(x - 4) - 1 \geq 7x + 11 - 2x$

2. $\frac{7}{12} - \frac{5}{6}W = \frac{11}{9}$

3. $7 - \frac{4}{3}(15m - 6) < 33$

4. Solve this equation for K.

$$\frac{HK - M}{C} + B = P$$

Algebra 1 Bellwork Tuesday, January 5, 2016

Find the exact solution to each.

1. $2x + 3(x - 4) - 1 \geq 7x + 11 - 2x$

$$2x + 3x - 12 - 1 \geq 7x + 11 - 2x$$

$$5x - 13 \geq 5x + 11$$

$$-13 \geq 11 \quad \text{False}$$

No Solution

3. $7 - \frac{4}{3}(15m - 6) < 33$

$$7 - 20m + 8 < 33$$

$$-20m + 15 < 33$$

$$\frac{-20m}{-20} < \frac{18}{-20}$$

4. Solve this equation for K.

$$\frac{HK - M}{C} + B = P$$

$$K = \frac{(P - B)C + M}{H}$$

Answers

2. $\frac{3}{5} \cdot \frac{7}{12} - \frac{5}{6}W = \frac{11}{9} \cdot \frac{4}{4}$

$$\frac{21}{36} - \frac{30}{36}W = \frac{44}{36}$$

$$\frac{21}{-36} - \frac{30W}{-36} = \frac{44}{-36}$$

$$\frac{-30W}{-30} = \frac{23}{-30}$$

$$W = -\frac{23}{30}$$