

Student: \_\_\_\_\_  
Date: \_\_\_\_\_

Instructor: Deb Wertz  
Course: MAP102 Master (Custom ISBN)

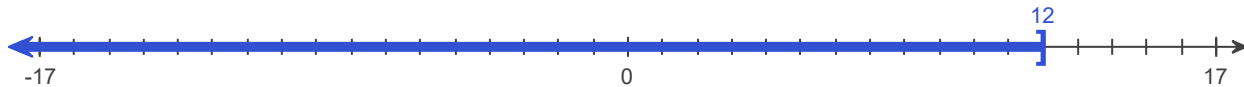
Assignment: Homework #31

1. Write the graphed solution set in interval notation.



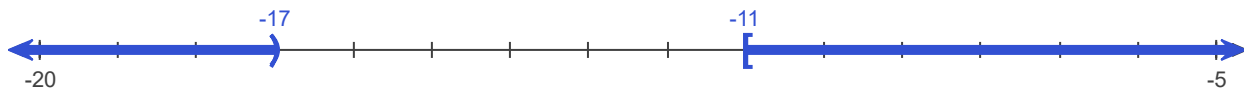
The solution set is \_\_\_\_\_. (Type your answer in interval notation.)

2. Write the graphed solution set in interval notation.



The solution set is \_\_\_\_\_. (Type your answer in interval notation.)

3. Write the graphed solution set in interval notation.



The solution set is \_\_\_\_\_. (Type your answer in interval notation.)

4. Solve the quadratic inequality. Write the solution set in interval notation.

$$(x - 3)(x - 1) \leq 0$$

The solution is \_\_\_\_\_. (Type your answer in interval notation.)

5. Solve the quadratic inequality.

$$x^2 - 2x - 3 \leq 0$$

The solution set is \_\_\_\_\_.  
(Type your answer in interval notation.)

6. Solve the quadratic inequality.

$$(x + 4)(x + 2) > 0$$

The solution set is \_\_\_\_\_.  
(Type your answer in interval notation.)

7. Solve the quadratic inequality.

$$5x^2 + 19x < -14$$

The solution set is \_\_\_\_\_.  
(Type your answer in interval notation.)

1.  $[-7,2)$

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2.  $(-\infty,12]$

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3.  $(-\infty, -17) \cup [-11, \infty)$

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4.  $[1,3]$

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5.  $[-1,3]$

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6.  $(-\infty, -4) \cup (-2, \infty)$

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7.  $\left(-\frac{14}{5}, -1\right)$

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