

Algebra II Practice Quiz 2.8**Short Answer**

1. (5 points) Solve the compound inequality. Then graph the solution set.

$$s - 2 < -10 \text{ or } -3s \leq 6$$

2. (5 points) Solve the equation $9|x - 4| = 81$.

3. (5 points) Solve the inequality $|12 + 4x| > 16$ and graph the solution set.

4. (5 points) Solve $\frac{|x - 12|}{4} \leq 1$ and graph the solution set.

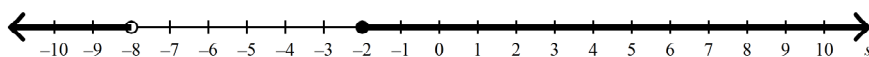
5. (5 points) Solve the inequality and graph the solution set for $-6|6 + 3x| = -24$.

Algebra II Practice Quiz 2.8

Answer Section

SHORT ANSWER

1. ANS:
 $\{s \mid s < -8 \text{ or } s \geq -2\}$

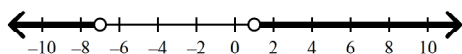


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2. ANS:
 $x = 13 \text{ or } x = -5$

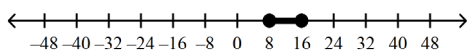
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3. ANS:
 $(-\infty, -7) \cup (1, \infty)$



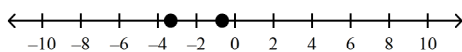
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4. ANS:
 $8 \leq x \leq 16$



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5. ANS:
 $x = -\frac{2}{3} \text{ or } x = -\frac{10}{3}$



PTS: 5