Name: _____ Date: _____

Graphing Inequalities - Medium

Graph each inequality on a number line.

1. $2 \leq x < 8$
2. $-3 \leq x < 0$
3. $-4 < x < 3$
4. $2 < x \leq 5$
5. $x \leq 0$ or $x \geq 6$
6. $2 < x < 7$
7. $x < -5$ or $x > 3$
8. $-4 \leq x \leq 2$
9. $-5 \leq x \leq 1$
10. $-4 \leq x \leq 3$

Name: _____ Date: _____

Graphing Inequalities - Medium

Graph each inequality on a number line.

11. $x < -5$ or $x > 6$

12. $x < -3$ or $x > 5$

13. $-4 \leq x < 2$

14. $1 \leq x \leq 6$

15. $x < -3$ or $x \geq 5$

16. $x < -2$ or $x \geq 4$

Graphing Inequalities - Medium - Answer Key

1. $2 \leq x < 8$

   closed circle at 2, open circle at 8, line between

2. $-3 \leq x < 0$

   closed circle at -3, open circle at 0, line between

3. $-4 < x < 3$

   open circle at -4, open circle at 3, line between

4. $2 < x \leq 5$

   open circle at 2, closed circle at 5, line between

5. $x \leq 0$ or $x \geq 6$

   closed circle at 0 (arrow left), closed circle at 6 (arrow right)

6. $2 < x < 7$

   open circle at 2, open circle at 7, line between

7. $x < -5$ or $x > 3$

   open circle at -5 (arrow left), open circle at 3 (arrow right)

8. $-4 \leq x \leq 2$

   closed circle at -4, closed circle at 2, line between

9. $-5 \leq x \leq 1$

   closed circle at -5, closed circle at 1, line between

10. $-4 \leq x \leq 3$

    closed circle at -4, closed circle at 3, line between

Graphing Inequalities - Medium - Answer Key

11. $x < -5$ or $x > 6$

open circle at -5 (arrow left), open circle at 6 (arrow right)

12. $x < -3$ or $x > 5$

open circle at -3 (arrow left), open circle at 5 (arrow right)

13. $-4 \leq x < 2$

closed circle at -4, open circle at 2, line between

14. $1 \leq x \leq 6$

closed circle at 1, closed circle at 6, line between

15. $x < -3$ or $x \geq 5$

open circle at -3 (arrow left), closed circle at 5 (arrow right)

16. $x < -2$ or $x \geq 4$

open circle at -2 (arrow left), closed circle at 4 (arrow right)