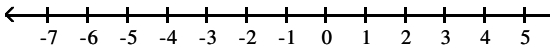
Math 084 W2010 Worksheet 2.6 v01b
Dressler

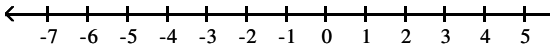
Name_____

Graph the solution of the inequality on a number line.

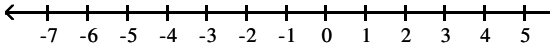
1) $x > -5$



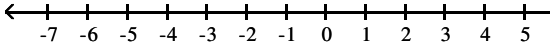
2) $x < 2$



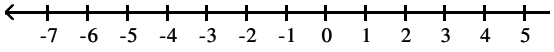
3) $x < -5$



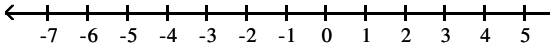
4) $x \geq 4$



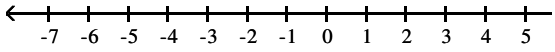
5) $x \leq -6$



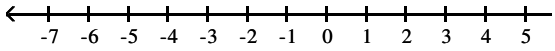
6) $3 \leq x \leq 7$



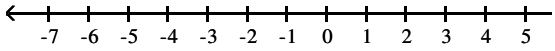
7) $-3 < x < 1$



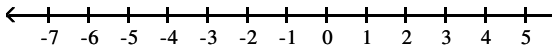
8) $-1 \leq x < 3$



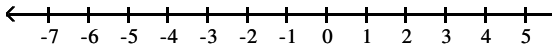
9) $x \geq 0$



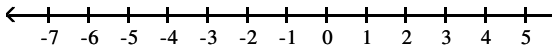
10) $x \leq 5$



11) $0 \leq x \leq 4$



12) $-1 < x < 3$



Express the solution set of the inequality in interval notation.

13) $x \geq 8$

14) $x \geq 7$

15) $x > 14$

16) $x > 11$

17) $x > -3$

18) $x \geq -10$

19) $x \geq -11$

20) $x < 9$

21) $x < 3$

22) $x \leq 15$

23) $x \leq 10$

24) $x \leq -3$

25) $x < -19$

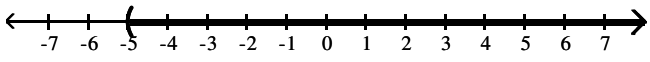
26) $x < -15$

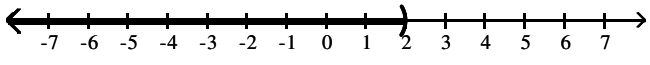
27) $x < \frac{8}{3}$

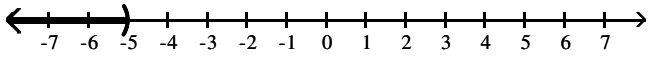
28) $x < \frac{5}{6}$

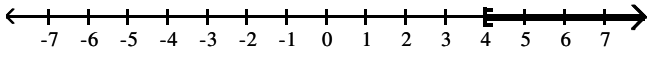
29) $x \geq \frac{1}{6}$

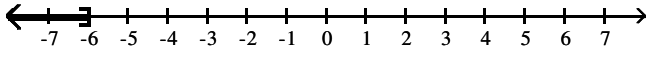
30) $x \geq \frac{5}{7}$

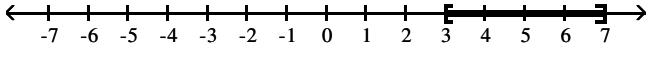
1) 

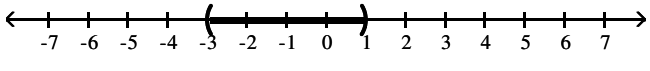
2) 

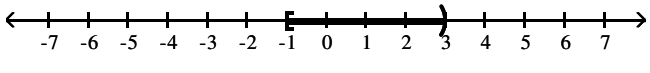
3) 

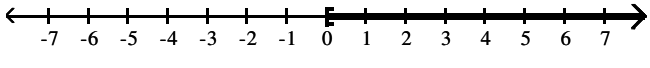
4) 

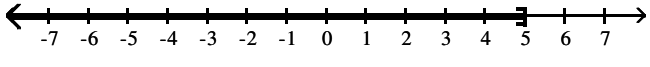
5) 

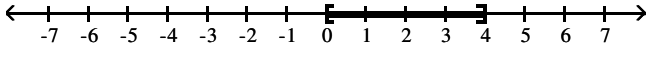
6) 

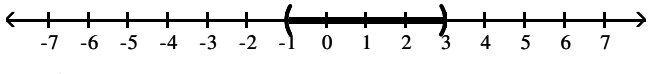
7) 

8) 

9) 

10) 

11) 

12) 

13) $[8, \infty)$
14) $[7, \infty)$
15) $(14, \infty)$
16) $(11, \infty)$
17) $(-3, \infty)$
18) $[-10, \infty)$
19) $[-11, \infty)$
20) $(-\infty, 9)$
21) $(-\infty, 3)$
22) $(-\infty, 15]$
23) $(-\infty, 10]$
24) $(-\infty, -3]$
25) $(-\infty, -19)$
26) $(-\infty, -15)$
27) $\left(-\infty, \frac{8}{3}\right)$
28) $\left(-\infty, \frac{5}{6}\right)$

29) $\left[\frac{1}{6}, \infty\right)$

30) $\left[\frac{5}{7}, \infty\right)$