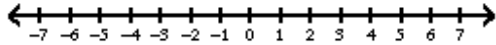# Corrective Assignment 7.1
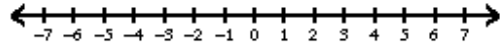
Name:_____

Draw a graph for each inequality.
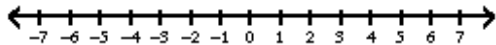
1) $n \leq -1$

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

2) $2 \leq r$

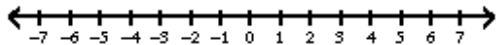-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

3) $5 > p$

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

4) $n < -4$

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

5) $-4 > n$

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

6) $-1 > n$

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
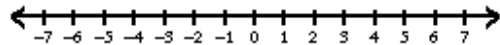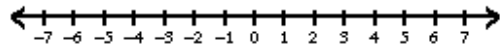
Write an inequality for each graph.

7)

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

8)

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

9)

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

10)

-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
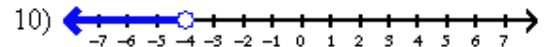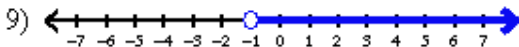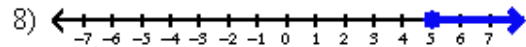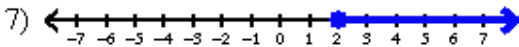
Solve.

11) $|x| = 250$

12) $|x| = -0.354$

13) $46 = |x|$

14) $-\frac{16}{7} = |x|$

15) $0 = |x|$

16) $\frac{159}{489} = |x|$

17) $36 = |x|$

18) $|x| = \frac{45}{46}$

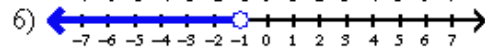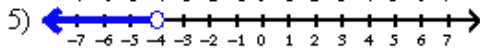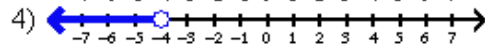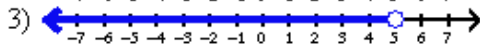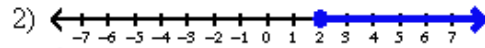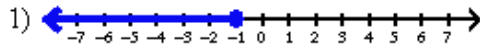**Write each situation as an inequality then graph it.**

19) Queen Elizabeth has no more than 20 grandchildren.

20) Mr. Kelly has more than 7 barbies.

21) The Algebros have won less than 3 teacher awards.

22) 100 is greater than the number of days it will rain this year.

ANSWERS

1)

2)

3)

4)

5)

6)

7) $v \geq 2$

8) $v \geq 5$

9) $n > -1$

10) $x < -4$

11) 250 or -250

12) No solution

13) 46 or - 46

14) no solution

15) 0

16) $\dfrac{159}{489}$ or $-\dfrac{159}{489}$

17) 36 or -36

18) $\dfrac{45}{46}$ or $-\dfrac{45}{46}$

19) $q \leq 20$

20) $b > 7$

21) $a < 3$

22) $100 > d$