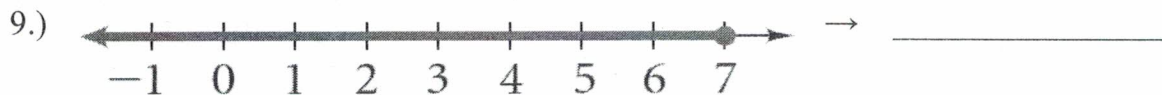
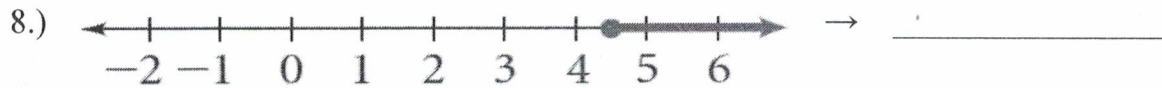
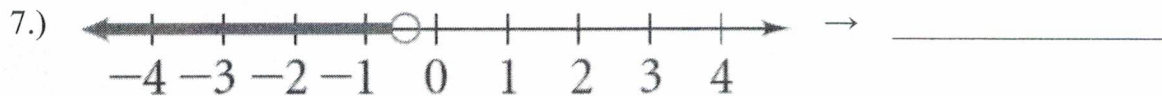
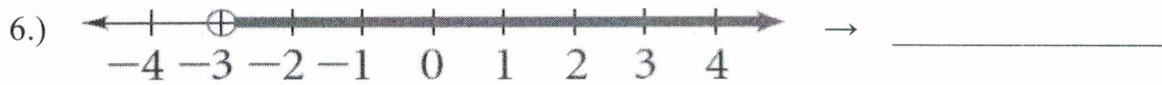


I. Determine whether each number is a solution of the given inequality. SHOW WORK!

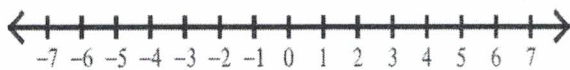
- | | | | | |
|----------------------------|------------|-------------------|------------|------------|
| 1.) $x \leq -8$ | a.) -10 | b.) 6 | c.) -8 | d.) -8.4 |
| 2.) $0.65 < y$ | a.) 0.43 | b.) -0.65 | c.) 0.56 | d.) 0 |
| 3.) $2y + 1 > -5$ | a.) -4 | b.) -2 | c.) 4 | |
| 4.) $7x - 14 \leq 6x - 16$ | a.) 0 | b.) -4 | c.) 2 | |
| 5.) $5(2m - 8) \geq 7$ | a.) -2 | b.) $\frac{9}{2}$ | c.) 6 | |

II. Write an inequality for each graph. Use the variable "x".

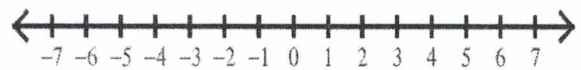


III. Graph each inequality.

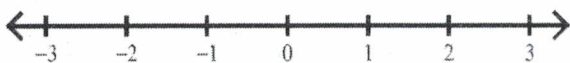
11.) $x < -1$



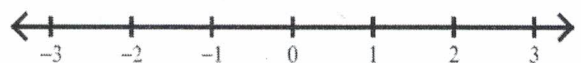
12.) $5 \leq h$



13.) $z \geq -1 \frac{1}{3}$



14.) $-0.2 > m$



IV. Define a variable and write an inequality for each statement.

- 15.) The temperature in a fridge is to be kept at or below 38°F .
- 16.) The maximum weight on an elevator is 2000 pounds.
- 17.) At least 20 students were sick with the flu.
- 18.) A student must have received at least 450 out of 500 points to earn an A.
- 19.) The letter b is a negative number.
- 20.) The letter v is no less than 4.