Name:

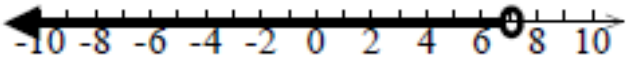
Date

:

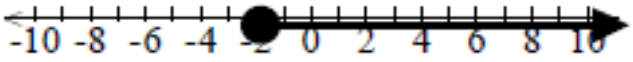
Day 3_ Classwork_ Inequalities

Directions: Write the inequalities which represent the given graph.

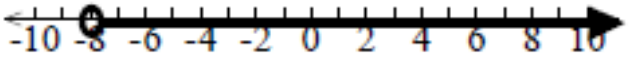
1. _____



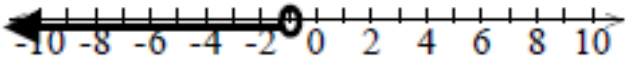
2. _____



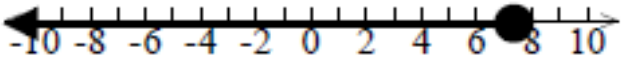
3. _____



4. _____



5. _____



Write your answers for 1-5 below:

1)

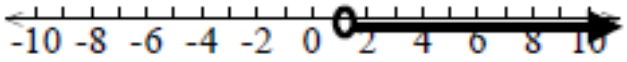
2)

3)

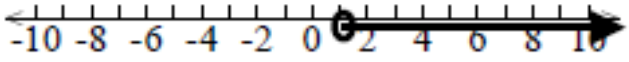
4)

5)

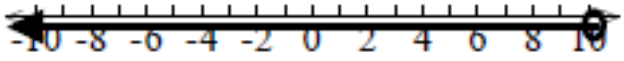
6. _____



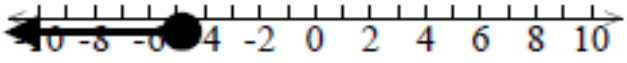
7. _____



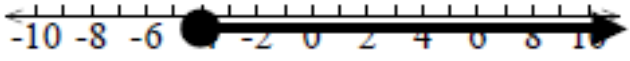
8. _____



9. _____



10. _____



Write your answers for 6-10 below:

6)

7)

8)

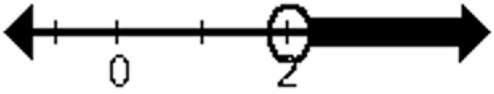
9)

10)

1) $x > 2$

A)

B)



C)

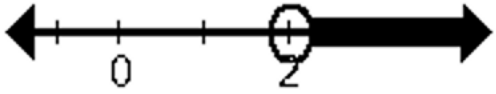
D)

Answer:

2) $x \leq 2$

A)

B)



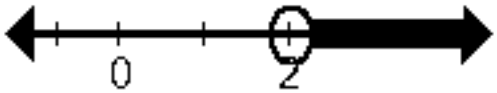
C)

D)

Answer:

3) $x \geq 2$

A)

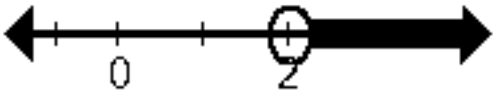


B)

Answer:

4) $x < 2$

A)



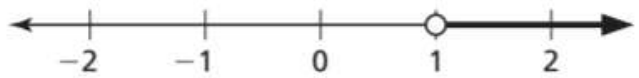
B)

Answer:

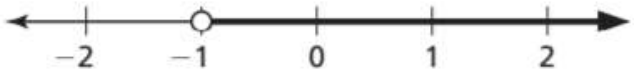
Match the inequality with its graph.

1. $x > -1$ **2.** $x < 1$ **3.** $x > 1$ **4.** $x \leq -1$

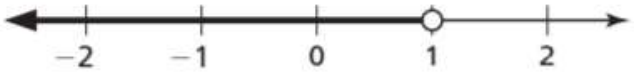
A.



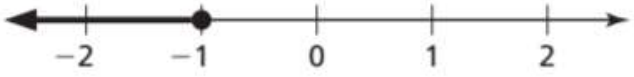
B.



C.



D.



Write your answers for `1-4 below:

1)
2)
3)
4)

Tell whether the given value is a solution of the inequality.

5. $\frac{a}{4} > 5;\ a = 28$

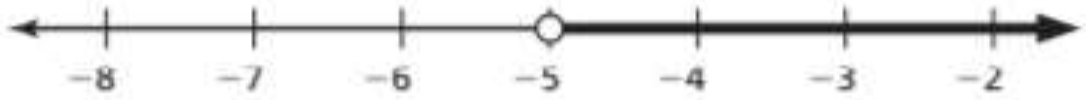
Answer:

6. $z + 4.5 \leq 13;\ z = 9.5$

Answer:

Write an inequality that represents the graph.

7.



8.

9.

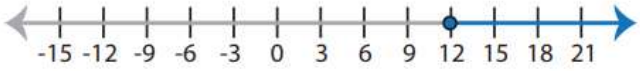
Write your answers for 7-9

7)
8)
9)

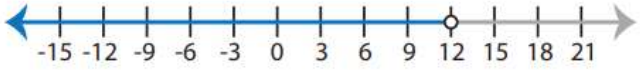
10. Which graph represents the solution set x > 12

a)

b)



c)



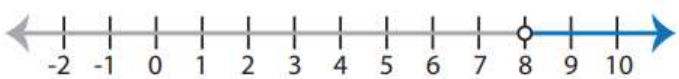
d)

Answer:

11. Which graph represents the solution set x ≤ 8

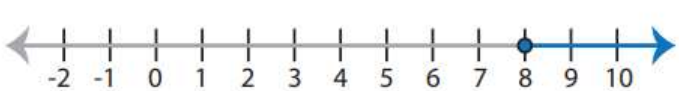
a)

b)



c)

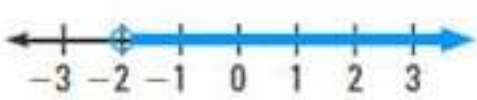
d)

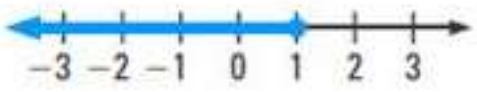


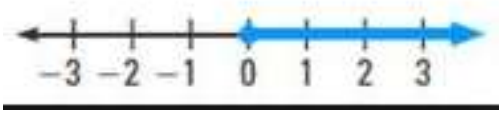
Answer

12. Which graph represents the solution set $x \geq 0$?

A. 

B. 

C. 

D. 

Answer: