

## C3L6 Worksheet

Write in interval notation.

1.  $x \geq 4$

2.  $x < 6$

3.  $x \leq -2$

4.  $x > 8$

5.  $-1 < x < 2$

6.  $3 \leq x \leq 15$

7.  $-4 \leq x < -2$

8.  $x < 5$  or  $x \geq 7$

9.  $x < 3$  or  $x \geq 9$

10.  $x \leq -12$  or  $x > -1$

Write each interval as an inequality.

11.  $(-\infty, -8]$

12.  $[5, \infty)$

13.  $(-2, \infty)$

14.  $(-\infty, 6)$

15.  $[3, 5)$

16.  $[-2, 4]$

17.  $(-6, -1)$

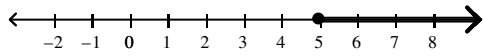
18.  $(5, 8]$

19.  $(-\infty, 4]$  or  $(5, \infty)$

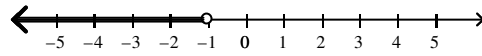
20.  $(-\infty, -18)$  or  $[1, \infty)$

Write the interval notation that describes the graph.

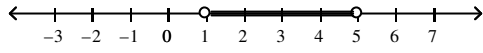
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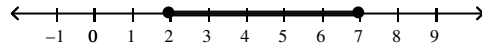
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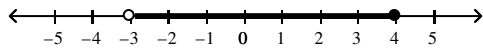
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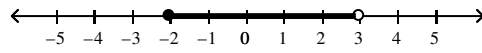
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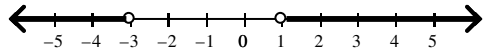
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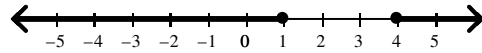
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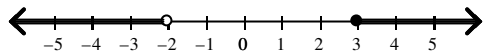
27.



28.



29.



30.

