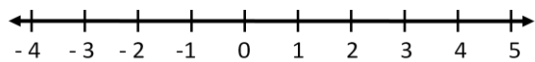


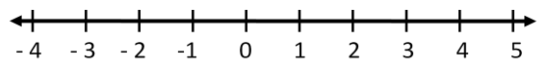
REVIEW INEQUALITIES – COMPOUND INEQUALITIES AND ABSOLUTE VALUE

Graph the following Inequalities

1) $-4 \leq x < 3$

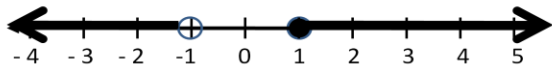


2) $x < -2$ or $x > 1$

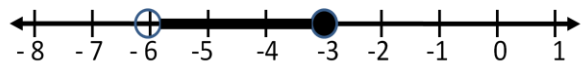


Write an inequality for each of the following graphs.

3) _____



4) _____



Write the Compound inequality in interval notation

5) $-4 \leq x < 3$ _____

6) $x < -4$ or $x > 4$ _____

SOLVE EACH COMPOUND INEQUALITY. STATE THE SOLUTION. PUT IT IN INTERVAL NOTATION. GRAPH EACH INEQUALITY.

7) $x - 4 < 2$ and $x - 2 > 1$

8) $14 < 3h + 2 \leq 2$

9) $10 - 2p > 12$ and $7p < 4p + 9$

10) $5x + 7 < 2x + 4$ or $3x + 3 < 24 - 4x$

11) $-1 + x \leq 3$ or $-x < -4$

12) $3x + 4 \geq 13$ or $6x - 1 < 11$

13) $5y + 7 \leq -3$ or $3y - 2 \geq 13$

14) $5d - 3 > 7$ or $4d - 6 < -10$

15) $12 \leq \frac{31 + g}{3} < 16$

SOLVE EACH ABSOLUTE VALUE EQUATION. STATE THE SOLUTION.

16) $|2y + 7| = 13$

17) $2|2w + 5| = 26$

18) $|m - 7| = 9$

19) $\frac{|x + 3|}{2} = 13$

SOLVE EACH ABSOLUTE VALUE INEQUALITY. STATE THE SOLUTION. PUT IT IN INTERVAL NOTATION. GRAPH EACH INEQUALITY.

20) $|x - 4| < 2$

21) $|x - 3| \geq 7$

22) $|x - 8| \leq 6$

23) $|3x + 1| > 8$

24) $|x + 8| > 3$

25) $|5x - 4| \leq 16$

26) $|2x| + 3 < 21$

27) $4|x + 1| \geq 16$