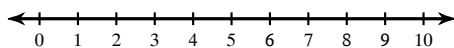


Chapter 3 & 4 Final Review

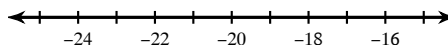
Date _____ Period _____ Table _____

Solve each inequality and graph its solution.

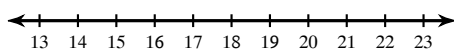
1) $6 \leq 3n - 6$



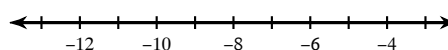
2) $-3 \leq \frac{-3 + v}{7}$



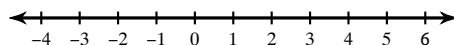
3) $3 \leq \frac{p}{16} + 2$



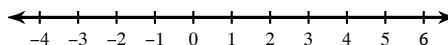
4) $-7(-10 + n) > 105$



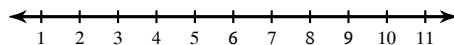
5) $-8n - 3n > -11$



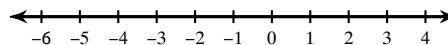
6) $11 \leq 4n + 5 + 2$



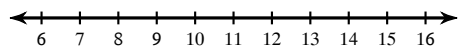
7) $-11 + 4n \leq n + 7$



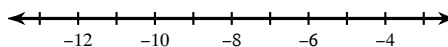
8) $7 - 7n \leq -8n + 7$



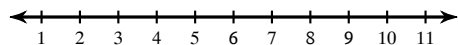
9) $1 + 1 + 8k - 7k \leq -6 + 2k$



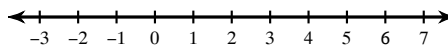
10) $3k + 7 + 7 > -10 - k$



11) $-2 - 2p > 2(4 - 2p)$

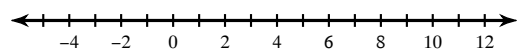


12) $-8(2x - 4) < 8 - 8x$

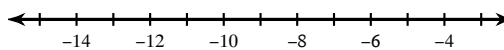


Solve each compound inequality and graph its solution.

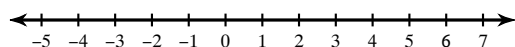
13) $9b + 8 \leq -10$ or $7 + 6b \geq 49$



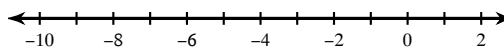
14) $3 - 5a \geq 33$ and $10 - 3a \leq 31$



15) $23 > 8m - 9 > -33$

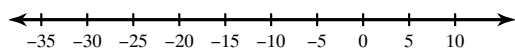


16) $-37 \leq 5b + 3 \leq -17$

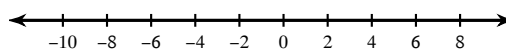


Solve each inequality and graph its solution. ****Determine if it is an AND or an OR****

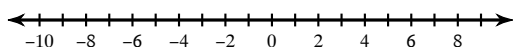
17) $|m + 10| > 20$



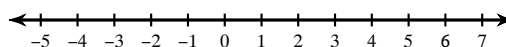
18) $\left|\frac{n}{8}\right| \leq 1$



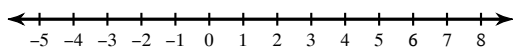
19) $|-3 - 10x| < 73$



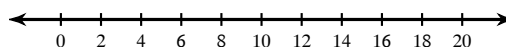
20) $|7r + 5| < 26$



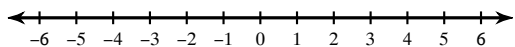
21) $-5 + |4x - 10| < 13$



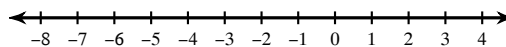
22) $\frac{|b - 10|}{2} < 4$



23) $6 - 5|3n + 2| \geq -49$



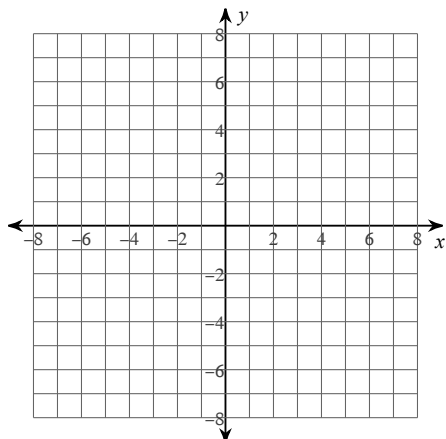
24) $8|6k + 9| - 7 \leq 65$



Determine if the following relation is a function. Use the vertical line test or a mapping diagram.

25) $(3, 2), (9, -4), (-1, -2), (0, 0), (7, 2)$

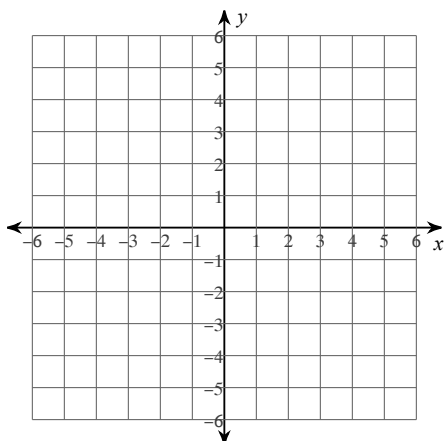
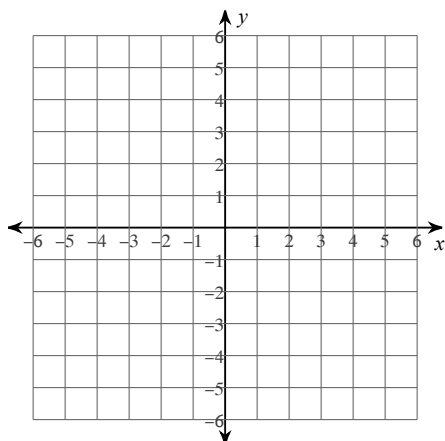
26) $(-5, -2), (3, -1), (5, 4), (0, -5), (5, 0)$



Create a table of points then sketch the line. Use -1, 0, 1, 2, 3 for the values of x

27) $y = x + 3$

28) $y = 2x - 1$



Evaluate the function for the given value.

29) $f(x) = 3x - 4; x = -2$

30) $f(x) = -x + 5; x = 3$

31) $f(x) = -6x; x = -2$

32) $f(x) = 9x - 5; x = 0$