

Final Exam Review #121021

Solve each equation.

1) $-20 + n = -15$

2) $p - 17 = -26$

3) $154 = -11x$

4) $7p = -91$

5) $119 = -7(3 + 5m)$

6) $6x + 2 = 2 - 3x$

7) $-4 + 8n = n + 1 + 6n$

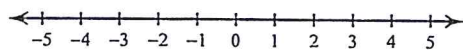
8) $|r| = 7$

9) $2 + |x + 9| = 0$

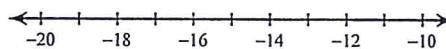
10) $9|-3 - 3n| = 27$

Solve each inequality and graph its solution.

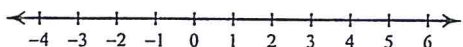
11) $x - 10 \leq -12$



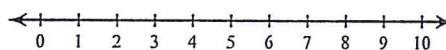
12) $\frac{k}{2} > -7$



13) $\frac{x}{2} \leq \frac{1}{2}$

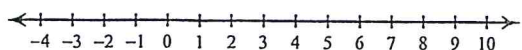


14) $3v \leq 21$

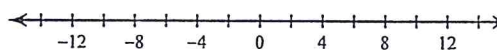


Solve each compound inequality and graph its solution.

15) $-9 < 5 - 2r < 7$

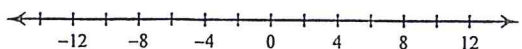


16) $7 + 4x \geq 43$ or $x - 3 < -12$

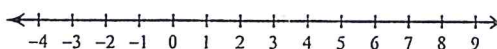


Solve each inequality and graph its solution.

17) $\left|\frac{x}{2}\right| > 5$

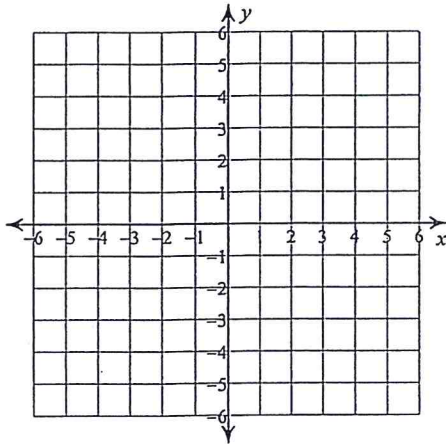


18) $|-2 + b| > 3$

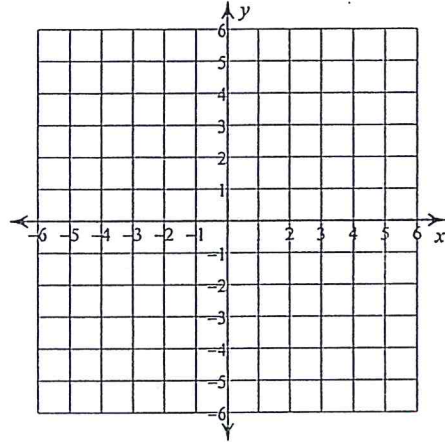


Sketch the graph of each linear inequality.

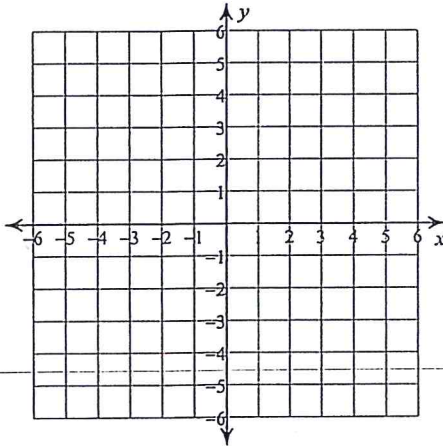
19) $y < \frac{4}{3}x$



20) $y > -\frac{2}{3}x - 4$



21) $4x + y < 0$



22) $7x - 4y \geq 8$

