

Fall Practice Final Exam

Date _____

Solve each equation.

1) $-24 = 2n$

2) $-2 = n - 14$

3) $v + 3 + 3v = -21$

4) $n - 8 - 4 = -5$

5) $-3n - 8(6 + 2n) = -86$

6) $323 = -5(8x - 1) - 2$

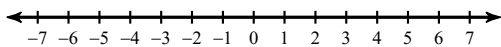
Write an equation for and solve each scenario.

7) Adam bought a magazine for \$7 and seven notepads. He spent a total of \$35. How much did each notepad cost?

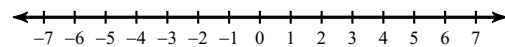
8) Paul won 37 super bouncy balls playing basketball at the county fair. At school he gave two to every student in his math class. He only has 7 remaining. How many students are in his class?

Graph each inequality on the provided number line.

9) $n < -4$

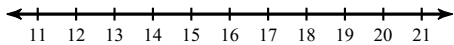


10) $x < 1$

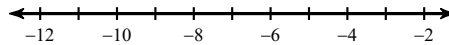


Solve each inequality and graph the solution on the provided number line.

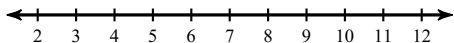
11) $x - 16 < 1$



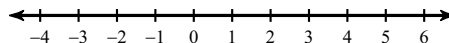
12) $6 \leq m + 13$



13) $b + 2 - b \leq 2$



14) $-11 > -7a - 4a$



Solve each absolute value equation for both positive and negative possibilities.

15) $|n - 9| = 11$

16) $|-2b| = 18$

17) $-4 + |-10a| = 76$

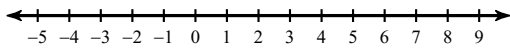
18) $\left|\frac{n}{3}\right| + 5 = 6$

19) $|3v + 1| = 11$

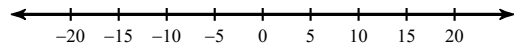
20) $|n + 9| = 13$

Solve each absolute value inequality and graph the solution on the provided number line.

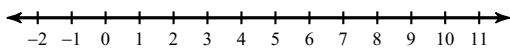
21) $|n - 2| \geq 4$



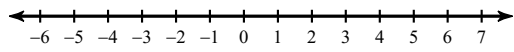
22) $\left|\frac{a}{4}\right| > 5$



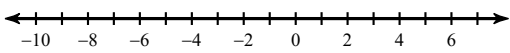
23) $|-4 + x| + 4 > 7$



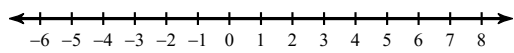
24) $|6k| + 7 \leq 37$



25) $|6r + 4| \leq 40$



26) $|6x - 5| \leq 31$



Rewrite each equation in Slope-Intercept Form. ($y = mx + b$)

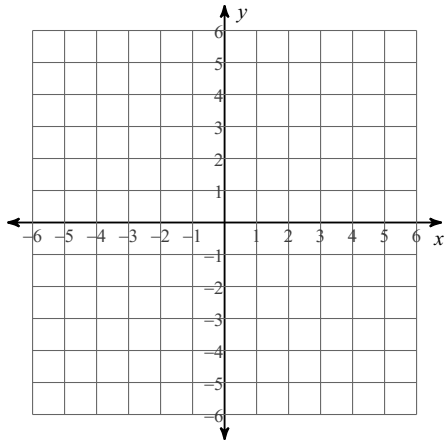
27) $4x - y = 3$

28) $x + y = 3$

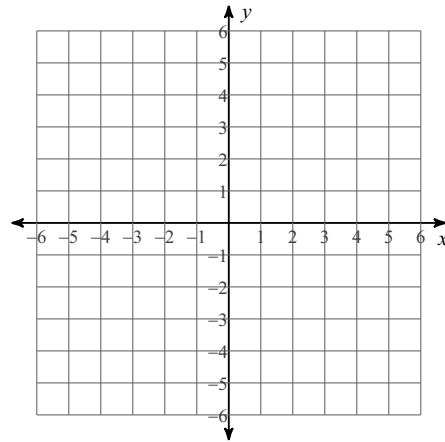
29) $x - y = -7$

Graph each line equation on the grid provided.
(Rewrite in y-form when needed).

30) $y = \frac{5}{2}x + 2$

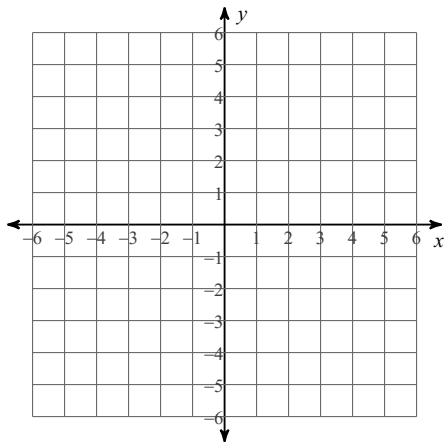


31) $x - 4y = 8$



Skill#14--Graph each line using an x/y table.
(Make sure your table includes a positive number, zero and a negative number).

32) $7x + y = 2$



33) $2x - y = -5$

