

Solve each equation. Show all work in a neat, organized manner. Check answers. Circle your final answer(s). (keep all fractions as is - do NOT change them into decimals. You may leave them improper).

1) $-3 + |b| = 0$

2) $5|r| + 7 = 57$

3) $5|n - 6| = 5$

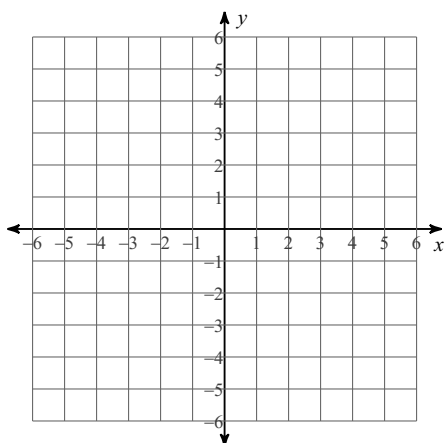
4) $2|6p| + 10 = 34$

5) $|6 + 8n| + 2 = 48$

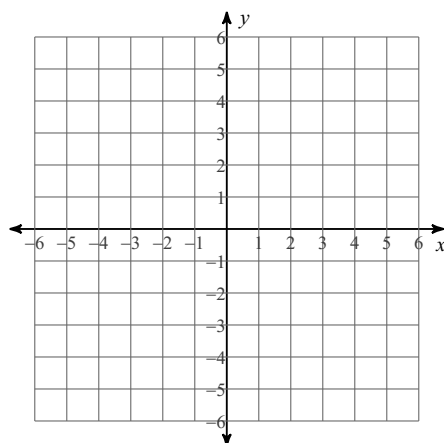
6) $\frac{|p - 10|}{9} = 5$

Graph each. Plot at least 5 points, including the vertex. State the vertex and axis of symmetry, and show all work for the additional points. Make sure all points fit on the graph provided (do not extend the graphs!). Show all work in a neat, organized manner. You may use scrap paper - please indicate doing so next to the question.

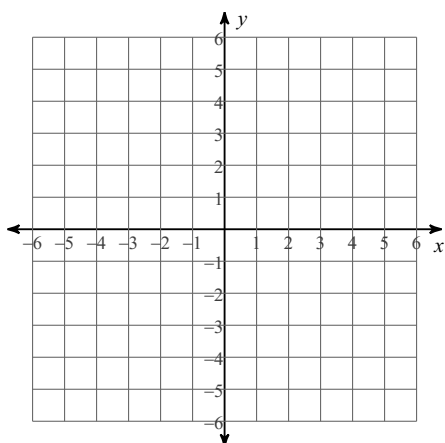
7) $y = |x - 1| + 3$



8) $y = |x + 3|$



9) $y = |x| - 1$



10) $y = -|x + 4| - 2$

