Part A

State the slope and y-intercept on this paper. Graph the line on graph paper.

1. $y = 2x - 5$

slope(m) =

Y-intercept =

2. $y = 2x + 3$

slope(m) =

Y-intercept =

3. $y = \frac{2}{5}x - 3$

slope(m) =

Y-intercept =

4. $y = -3x + 3$

slope(m) =

Y-intercept =

5. $y = \frac{-2}{3}x + 5$

slope(m) =

Y-intercept =

6. $y = x$

slope(m) =

Y-intercept =

Part B

Use a quick table to graph these special cases. Show your tables here. Graph the line.

6. $y = -4$

7. $x = 3$

Part B

Find the x -intercept and the y-intercept. Show your work here. Graph the line.

8. $2x + 3y = 12$

9. $3x - 9y = 18$

Part C

Rewrite the equation so it is solved for y. " y = mx + b " Show your work on this paper.

Use the slope and the y-intercept to graph the line

10. $3x + 2y = 8$

11. $2x + 3y = 12$

12. $-4x + 2y = 10$

Math 1 Topics

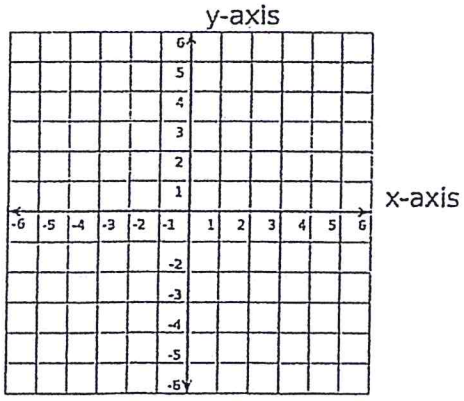
1. Solve the equation. Show all steps/thinking $5(2x - 1) = 16$

2. Solve the equation. Show all steps/thinking $4x - 9 + 3x = 2x + 1$

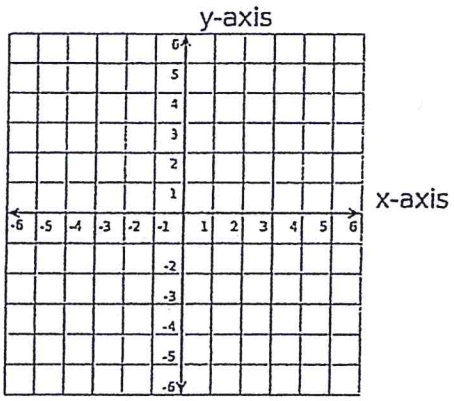
3. Find the slope of the line containing the two given points. (5 , 2) and (3 , 7)
   Show all steps/thinking

4. Write the equation of the line containing the two given points. (3 , 1) and (5 , 4)
   Show all steps/thinking

5. Graph the line $y = \frac{1}{2}x - 3$



6. Graph the line $4x + 2y = 12$



7. Solve the system of equations
   Show all work/thinking

$y = 2x + 1$
$3x + 2y = 9$