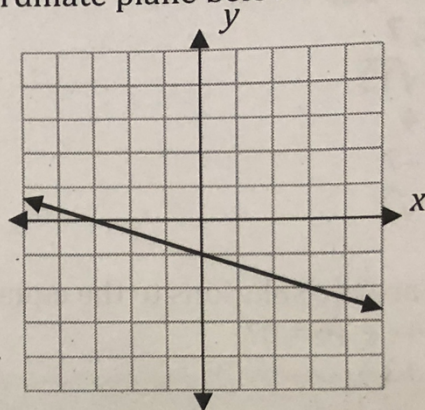16. What is the equation of the line graphed on the coordinate plane below?



(A) $y = -3x - 1$

(B) $y = \frac{1}{3}x - 1$

(C) $y = \frac{1}{3}x - 3$

(D) $y = -\frac{1}{3}x - 3$

(E) $y = -\frac{1}{3}x - 1$

17. What is the equation of the function displayed in the table below?

| x | y |
|---|---|
| -4 | -3 |
| -1 | 3 |
| 3 | 11 |
| 5 | 15 |

(A) $y = 3x$

(B) $y = -4x - 3$

(C) $y = 2x + 5$

(D) $y = -2x - 5$

(E) $y = \frac{1}{2}x - \frac{5}{2}$

H1    Find y-intercept, x-intercept, and slope for the lines

a) $x - 4*y = 12$

b) $4*x - y = 12$

c) $x/4 - y/5 = 1/15$

d) $y = 3$

e) $x = 3$

H2    Find all points of intersection of two lines with equations
$x/4 - y/5 = -2$         AND $x/4 + y/5 = -2$

**B1**   To buy a 27 batteries Tim gave a cashier M quarters M dimes and M nickels. If one battery costs C cents, how much change does Tim get back from the cashier?

**W1**   I have dimes, nickels and pennies in my pocket. I have twice as many nickels as dimes. I have ten times more pennies than dimes. I have $6 total. How many pennies, dimes and nickels do I have?

**W2**   A two-digit number is smaller by 27 than the number with the digits reversed. The sum of the digits is 13. Find the number.

**W3**   How fast did Ben have to drive to get from A to B in 150 minutes, if it took him 75 min. to drive from B to A? His speed was 45 mph driving from B to A.

**W4**   In thirteen years from now Sasha will be four times older than he was two years ago. How old is he now?

W5     Ms. Clark drove from her home to the museum at an average speed of 40 mph and returns home along the same root at an average speed of 35 miles per hour. If her total driving time for the trip was 2 hours, how many minutes did it take Ms. Clark to drive from her home to the museum?

C1     If 36 is the smallest of five consecutive even numbers, what is the average?

C2     If N is the smallest of five consecutive even numbers, what is the average?