PROBLEM 1

Find the slope given the points

(-14, -8) (-13,-19)

A.-11 (I)

B. $-\frac{1}{11}$ (O)

C.11 (L)

D.$\frac{1}{11}$ (E)

PROBLEM 2

Find the equation of the line given the points (0,4) (5,1)

A.$y = -\frac{3}{5}x + 4$ (C)

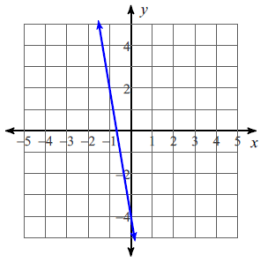
B. $y = 4x + \frac{3}{5}$ (R)

C.$y = -4x + \frac{3}{5}$ (T)

D.$y = \frac{3}{5}x + 4$ (B)

PROBLEM 3

What is the equation of the line?



A) $y = x - 5$ (N)

B) $y = -4x - 5$ (P)

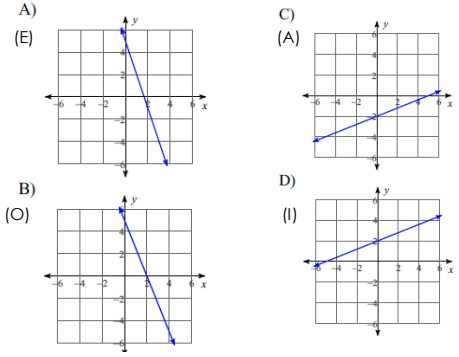
C) $y = -6x - 4$ (M)

D) $y = -5x - 4$ (I)

PROBLEM 4

Sketch the Graph of the line.

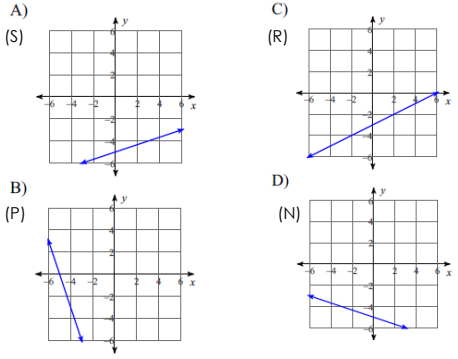
$y = \frac{2}{5}x + 2$



PROBLEM 5

Sketch the Graph of the line.

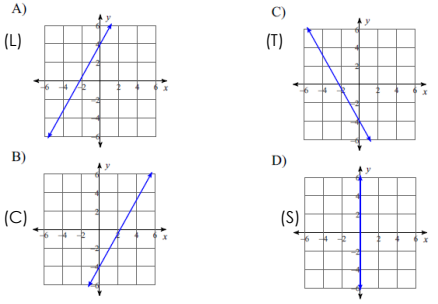
$y = -\frac{1}{3}x - 5$



PROBLEM 6

Sketch the Graph of the line.

$9x + 5y = -20$



PROBLEM 7

Solve the System by Graphing.

$$\begin{cases} y = -x - 2 \\ y = -1 \end{cases}$$

A. No Solution (A)
B. (-1,-2) (H)
C. (-1,-1) (W)
D. (1,1) (I)

PROBLEM 8

Solve the System by Graphing.

$$\begin{cases} y = \frac{1}{4}x + 4 \\ x - 4y = 16 \end{cases}$$

A. (3,-2) (N)
B. No Solution (H)
C. (-3,2) (D)
D. (1,1) (B)

PROBLEM 9

Solve the System by Graphing.

$$\begin{cases} y = 5 \\ x = -2 \end{cases}$$

A. (-2,-2) (A)
B. No Solution (P)
C. (5,-2) (I)
D. (-2,5) (E)

PROBLEM 10

Solve the System by substitution.

$$\begin{cases} y = 8x - 16 \\ 4x - 7y = 8 \end{cases}$$

A. Infinite Number of Solutions (L)
B. (2,0) (G)
C. (0,-2) (H)
D. No Solution (D)

PROBLEM 11

Solve the System by substitution.

$$\begin{cases} x = -7 - 3y \\ -5x - 2y = -17 \end{cases}$$

A. (-4,5) (A)
B. (5,-4) (O)
C. (-5,-4) (S)
D. No Solution (T)

PROBLEM 12

Solve the System by substitution.

$$\begin{cases} y = 2 - 3x \\ -3x - y = 8 \end{cases}$$

A. (-3,8) (E)
B. No Solution (A)
C. (-6,8) (W)
D. (-2,8) (V)

PROBLEM 13

Solve the System by elimination.

$$\begin{cases} -10x - y = 16 \\ 10x + 2y = -12 \end{cases}$$

A. (2,4) (N)
B. No Solution (U)
C. (-2,-5) (F)
D. (-2,4) (G)

PROBLEM 14

Solve the System by elimination.

$$\begin{cases} x - 5y = 1 \\ 3x - 15y = -18 \end{cases}$$

A. No Solution (E)
B. (6,4) (J)
C. (4,-6) (A)
D. (4,-7) (B)

PROBLEM 15

Solve the System by elimination.

$$\begin{cases} -8x + 6y = 8 \\ 5x + 8y = -5 \end{cases}$$

A. (1,0) (S)
B. (0,1) (K)
C. Infinite Number of Solutions (R)
D. (-1,0) (T)

PROBLEM 16

Solve the word problem using systems.

Jacob and Amanda are selling pies for a school fundraiser. Customers can buy cherry pies and pumpkin pies. Jacob sold 1 cherry pie and 12 pumpkin pies for a total of $90. Amanda sold 9 cherry pies and 5 pumpkin pies for a total of $89. Find the cost each of one cherry pie and one pumpkin pie.

(D) A) cherry pie: $2, pumpkin pie: $5
(B) B) cherry pie: $7, pumpkin pie: $10
(C) C) cherry pie: $7, pumpkin pie: $6
(T) D) cherry pie: $6, pumpkin pie: $7

PROBLEM 17

Solve the word problem using systems.

The indoor climbing gym is a popular field trip destination. This year the senior class at High School A and the senior class at High School B both planned trips there. The senior class at High School A rented and filled 1 van and 6 buses with 350 students. High School B rented and filled 7 vans and 12 buses with 740 students. Every van had the same number of students in it as did the buses. How many students can a van carry? How many students can a bus carry?

(L) A) Van: 9, Bus: 34
(O) B) Van: 8, Bus: 57
(G) C) Van: 3, Bus: 90
(U) D) Van: 9, Bus: 51

PROBLEM 18

Which method would be the most efficient method to use?

$$\begin{cases} -4x + 6y = 8 \\ 5x - 6y = -5 \end{cases}$$

A. Graphing (F)
B. Substitution (O)
C. Elimination (S)
D. Any Method (R)

PROBLEM 19

Which method would be the most efficient method to use?

$$\begin{cases} x = 4y + 2 \\ 5x - 6y = -5 \end{cases}$$

A. Graphing (P)
B. Substitution (T)
C. Elimination (E)
D. Any Method (D)

PROBLEM 20

Which method would be the most efficient method to use?

$$\begin{cases} y = \frac{4}{3}x + 5 \\ y = -x + 2 \end{cases}$$

A. Graphing (S)
B. Substitution (Y)
C. Elimination (B)
Any Method (H)