

Slope Review Game

Question 1A

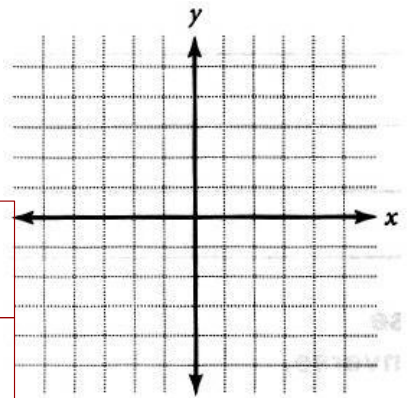
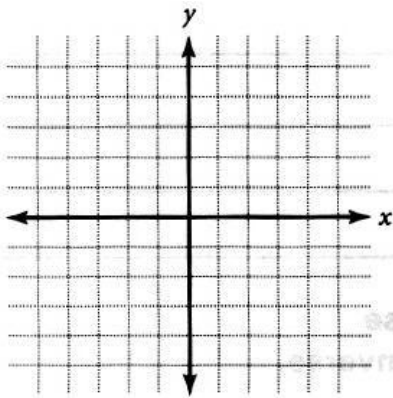
Plot the points on the graph!

A (-3, -2)

B (0, 3)

C (2, -1)

D (6, 3)



What is the slope
from C to D?

What is the slope
from A to C?

What is the slope
from B to D?

Question 1B

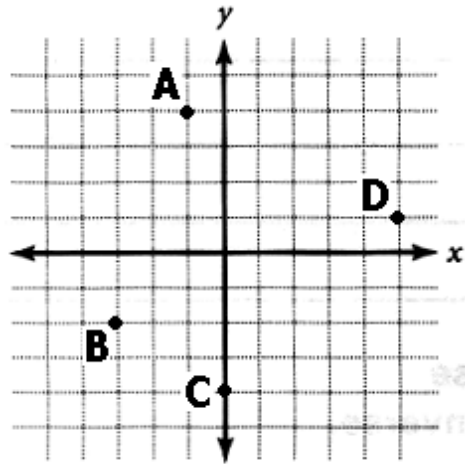
What are the coordinates of the following points on the graph:

A =

B =

C =

D =



Question 1C

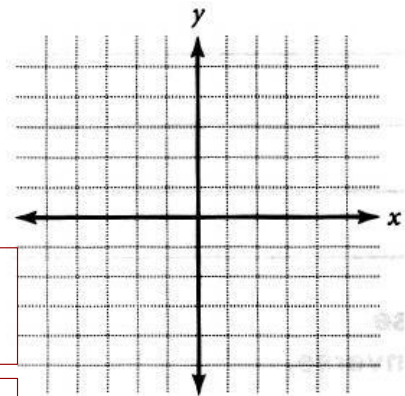
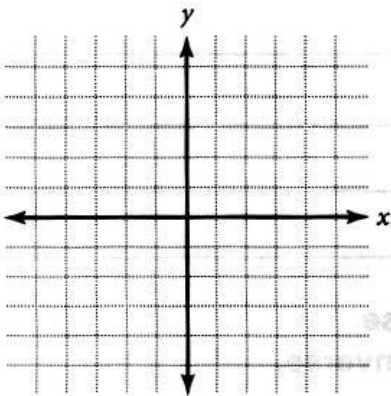
Plot the points on the graph!

A (5, -1)

B (-3, 0)

C (-4, -5)

D (0, 4)



What is the slope from B to D?

What is the slope from A to D?

Question 1D

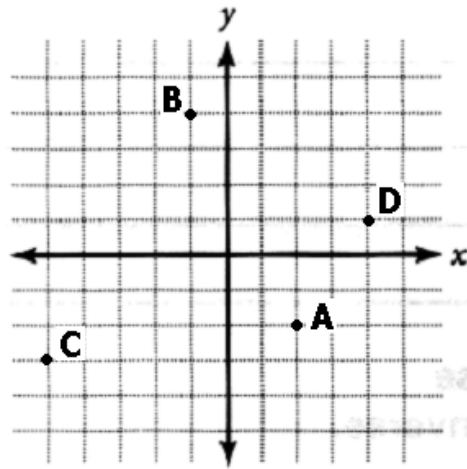
What are the coordinates of the following points on the graph:

A =

B =

C =

D =



Question 2A

Complete the table for the equation below:

$$y = 8x - 2$$

| | | | | | | | | |
|---|----|---|---|--|---|----|---|---|
| x | -2 | 0 | 4 | | x | -2 | 0 | 4 |
| y | | | | | y | | | |

Question 2B

Complete the table for the equation below:

$$3x + y = 8$$

| | | | | | | | | |
|---|----|---|---|--|---|----|---|---|
| x | -1 | 2 | 3 | | x | -1 | 2 | 3 |
| y | | | | | y | | | |

Question 2C

Complete the table for the equation below:

$$y = -3x + 8$$

| | | | | | | | | |
|---|----|---|---|--|---|----|---|---|
| x | -2 | 0 | 1 | | x | -2 | 0 | 1 |
| y | | | | | y | | | |

Question 2D

Complete the table for the equation below:

$$y = 3x + 21$$

| | | | | | | | | |
|---|----|----|----|--|---|----|----|----|
| x | -8 | -4 | 11 | | x | -8 | -4 | 11 |
| y | | | | | y | | | |

Question 3A

Find the slope of the line between the two points

$$(-2, 3) \text{ and } (4, -7)$$



Question 3B

Find the slope of the line between the two points

$(4, 1)$ and $(-8, 1)$



Question 3C

Find the slope of the line between the two points

$(0, 4)$ and $(8, 0)$

Question 3D

Find the slope of the line between the two points

$(-3, -1)$ and $(2, -7)$

Question 4A

Write the equation that represents the following situation:

A DVD buyers club charges a \$20 membership fee and \$15 per DVD purchased. Write an equation for the total cost.

Question 4B

Write the equation that represents the following situation:

| | | | | |
|---|---|---|----|----|
| x | 0 | 1 | 2 | 3 |
| y | 1 | 7 | 13 | 19 |

Question 4C

Write the equation that represents the following situation:

A cellular phone company charges a \$25 service fee and \$12 per hour used in a month. Write an equation for the total cost.

Question 4D

Write the equation that represents the following situation:

| | | | | |
|---|----|----|---|----|
| x | 1 | 2 | 3 | 4 |
| y | 25 | 15 | 5 | -5 |