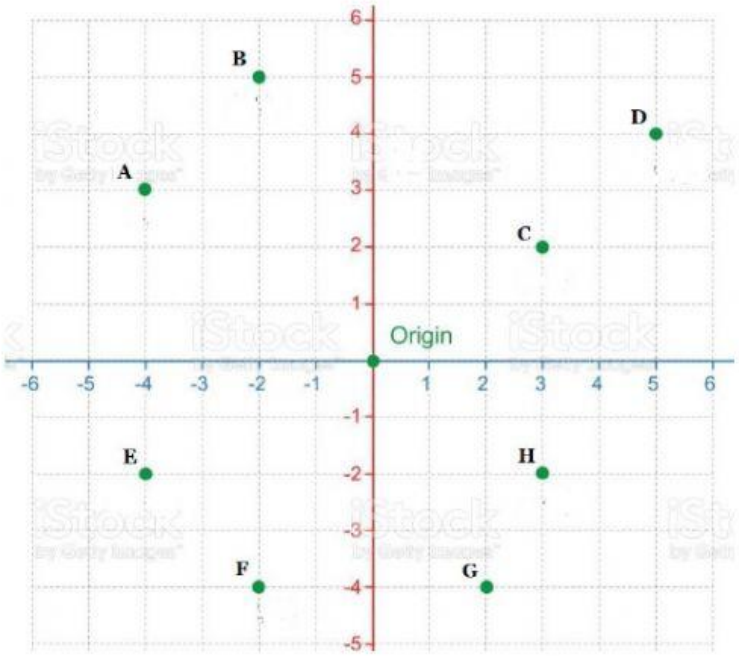
Card 3_ SLOPES CALCULATIONS OF LINES BETWEEN TWO POINTS.

Nom:_____



a) Imagine the line between the dots A and B, imagine also the line between the dots C and D.

Do you realize that the lines are parallels?

Do you thing that the slope of these two lines is going to be the same?

b) Calculate the slope of the line between the points A and B. Calculate also the slope of the line between the points C and D. Check that the slope is the same.

$$\left.\begin{matrix} A:(\quad,\quad) \\ B:(\quad,\quad) \end{matrix}\right\} \rightarrow m =$$

$$\left.\begin{matrix} C:(\quad,\quad) \\ D:(\quad,\quad) \end{matrix}\right\} \rightarrow m =$$

c) Do you think that the line between points E and F is negative?

Calculate and check.

$$\left.\begin{matrix} E:(\quad,\quad) \\ F:(\quad,\quad) \end{matrix}\right\} \rightarrow m =$$

d) Imagine the line between the points E and B and the line between the points F and H.

Which slope will be higher in your opinion?

Calculate both slopes and check it.

$$\left.\begin{matrix} E:(\quad,\quad) \\ B:(\quad,\quad) \end{matrix}\right\} \rightarrow m =$$

$$\left.\begin{matrix} F:(\quad,\quad) \\ H:(\quad,\quad) \end{matrix}\right\} \rightarrow m =$$

e) Choose two dots that will give a negative slope. Calculate the slope and check it.

$$\left.\begin{matrix} (\quad,\quad) \\ (\quad,\quad) \end{matrix}\right\} \rightarrow m =$$

f) Choose two dots that will give a positive slope. Calculate the slope and check it.

$$\left.\begin{matrix} (\quad,\quad) \\ (\quad,\quad) \end{matrix}\right\} \rightarrow m =$$