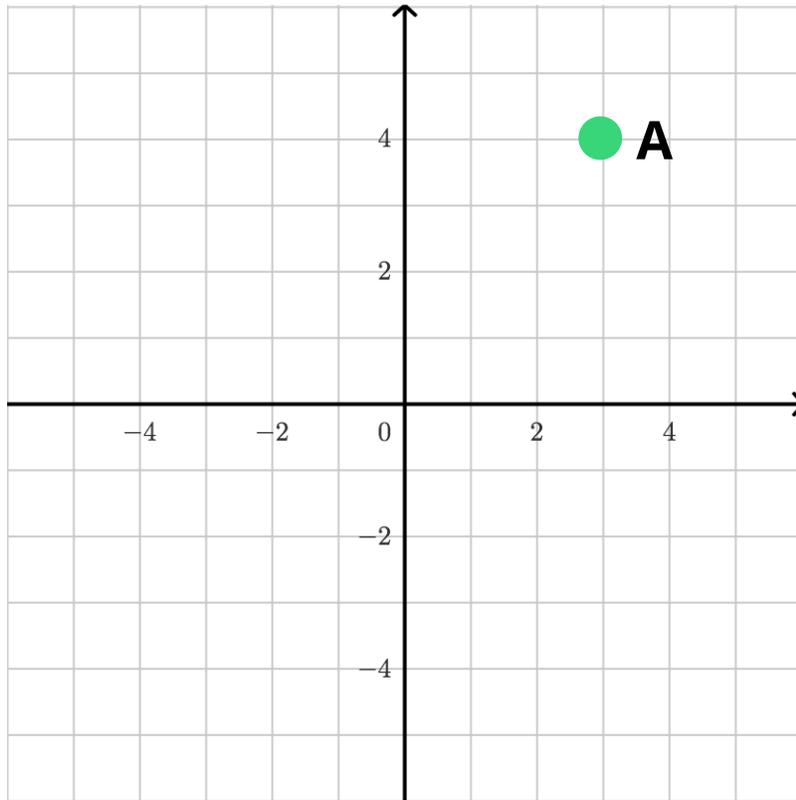**Graphing Warm Up**

Name: _____

Directions: Use the graph below to answer the questions.

1) Label the **x axis** and the **y axis**.

2) What are the coordinates of **Point A**?

3) Plot and label these points on the coordinate plane.

      i) Point B **(3,-2)**   ii) Point C **(-2,-4)**
      iii) Point D **(0,5)**   iv) Point E **(5,0)**

4) Solve.

     i) 4- (-5)= _____   ii) -6-3=_____   iii) -8 – (-5)=_____

5) Graph this linear equation on the coordinate plane: **y=3x + 2**

6) What is the slope of the line that contains points **(2,4)** and **(3,7)**?

Graphing Warm Up (Answer Key)
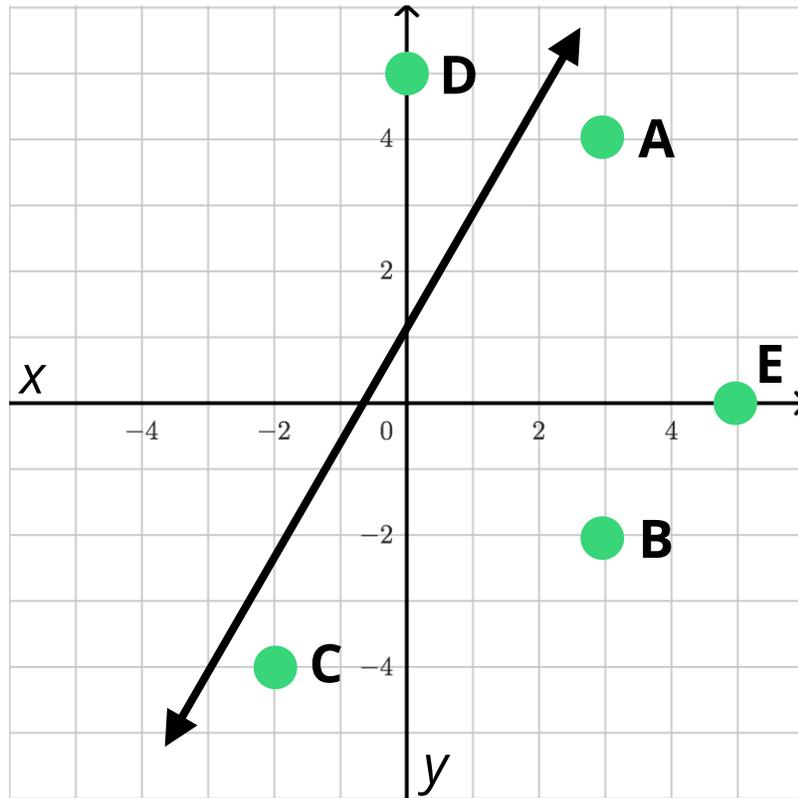
1) Label the **x axis** and the **y axis**. *See graph.*

2) What are the coordinates of **Point A**? *(3,4)*

3) Plot and label these points on the coordinate plane. *See graph.*

    i) Point B **(3, -2)**   ii) Point C **(-2,-4)**
    iii) Point D **(0,5)**   iv) Point E **(5, 0)**

4) Solve.

    i) 4- (-5)= *7*   ii) -6-3= *-10*   iii) -8 – (-5)= *13*

5) Graph this linear equation on the coordinate plane: **y=3x + 2** *See graph.*

6) What is the slope of the line that contains points **(2,4)** and **(3,7)**? *Slope = 3.*

Graphing Warm Up (Answer Key)

USING THE DATA

After checking student warm-ups, use the table below to inform reteach and review.

Establishing a solid foundation for students with skills 1-4 (below) is critical to student success in the graphing unit. As skills 5 and 6 may be new topics for many students, these questions are a great way to determine prior knowledge and gain insight into how students approach these problems on their own.

If students struggled with question...	Skill to Focus On
One	Identifying the x and y axis
Two	Reading a point from the coordinate plane
Three	Graphing a point on the coordinate plane
Four	Subtraction with positive and negative integers* *If this skill is weak, students will struggle to find the slope when given two points*
Five	Graphing a line given slope-intercept form
Six	Calculating slope given two points