

Copy homework

Update TOC

Open notebook to work on page 7

Begin warm up

Warm up - Complete on the back of page 6

Circle all of the integers. ⁻⁵

$$\overset{12}{\textcircled{|-12|}}$$

-0.25

$$\overset{1}{\textcircled{\frac{14}{2}}}$$

$$\textcircled{-\sqrt{25}}$$

$1\frac{2}{3}$

Order the integers from least to greatest.

$$42 \quad \overset{8}{\frac{16}{2}} \quad -12 \quad \overset{9}{|-9|} \quad \overset{-4}{-\frac{28}{7}}$$

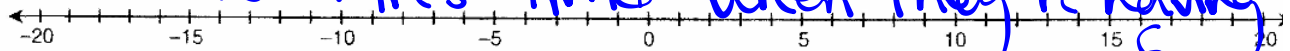
$$-12, -\frac{28}{7}, \frac{16}{2}, |-9|, 42$$

Why Do Flies Always Bring Their Stopwatches to Parties?



Write an integer for each exercise. Find the point on the number line that corresponds to the integer. Write the letter of the exercise above the number line at that point.

Because Flies Time when they're having fun!



Write an integer for each situation.

- E** 3 units to the left of 0
- S** the opposite of 8
- N** 15 ft above sea level
- E** a gain of 6 yd
- I** 5° below zero
- N** a deposit of \$20
- E** 14 steps backward
- T** four seconds after liftoff
- I** a loss of ten pounds
- W** one floor down
- E** 19 m below sea level
- H** the opposite of -11

Write an integer for each expression.

- A** -17 *-17*
- I** -14 *14*
- E** -1
- R** $|8|$
- U** $-n$ if $n = 16$
- G** $-n$ if $n = -16$
- B** $-(12 + 8)$
- H** $|16 - 11|$
- E** $-|9|$ *-9*
- S** $-|-15|$ *-15*
- A** $|x|$ if $x = -12$
- F** $-|x|$ if $x = -12$

Write an integer for each question.

- N** Which is greater, 2 or -13?
- T** Which is greater, -7 or -6?
- E** Which is greater, -11 or 9?
- C** Which is less, -18 or -4?
- U** Which is less, $|-20|$ or 19?
- H** Which is less, 0 or $-(-3)$?

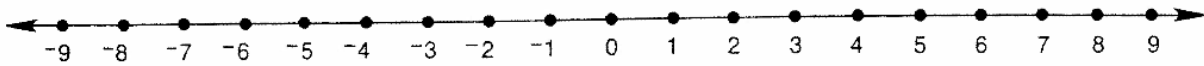
The table below gives the starting point, direction, and length of arrows drawn on the number line. Complete the table by writing the endpoint of each arrow.

| Starting Point | Direction, Length | Endpoint |
|----------------|-------------------|----------|
| 0 | negative, 4 | M |
| -2 | positive, 9 | Y |
| -2 | negative, 9 | C |
| 5 | positive, 13 | E |
| -10 | positive, 23 | V |

a fine line

DIRECTIONS:

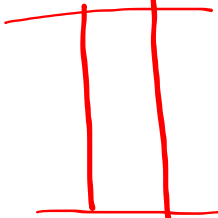
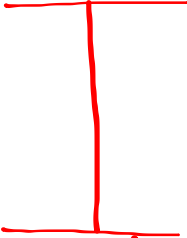
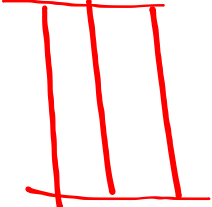
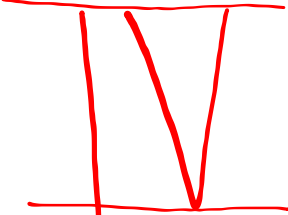
Below you see pairs of letters and numbers. Write each letter above the number line at the point that corresponds to its number. A special message will appear!



| | | | | | | | | | | |
|---|-----------------|---|---|-----------------|---|---|----------------|---|---|-----------------|
| E | 2 | ⋮ | O | 4 | ⋮ | S | 0 | ⋮ | R | $-2\frac{1}{2}$ |
| I | $-5\frac{1}{2}$ | ⋮ | A | -7 | ⋮ | T | $4\frac{1}{2}$ | ⋮ | H | $6\frac{1}{2}$ |
| O | $-1\frac{1}{2}$ | ⋮ | W | $-\frac{1}{2}$ | ⋮ | N | -5 | ⋮ | M | -6 |
| S | $8\frac{1}{2}$ | ⋮ | T | 8 | ⋮ | A | $\frac{1}{2}$ | ⋮ | A | $-3\frac{1}{2}$ |
| R | -2 | ⋮ | G | $-4\frac{1}{2}$ | ⋮ | O | 7 | ⋮ | H | $2\frac{1}{2}$ |
| S | 6 | ⋮ | R | $1\frac{1}{2}$ | ⋮ | L | -8 | ⋮ | F | $-8\frac{1}{2}$ |



PRE-ALGEBRA WITH PIZZAZZ!

| | |
|--|--|
| <p>Quadrant</p>  <p>(two)</p> | <p>Quadrant</p>  <p>(one)</p> |
| <p>Quadrant</p>  <p>(three)</p> | <p>Quadrant</p>  <p>(four)</p> |

DEFINITIONS:

Coordinate Plane:

Two intersecting lines to create a grid

X-Axis:
horizontal number line

Y-Axis:
vertical number line

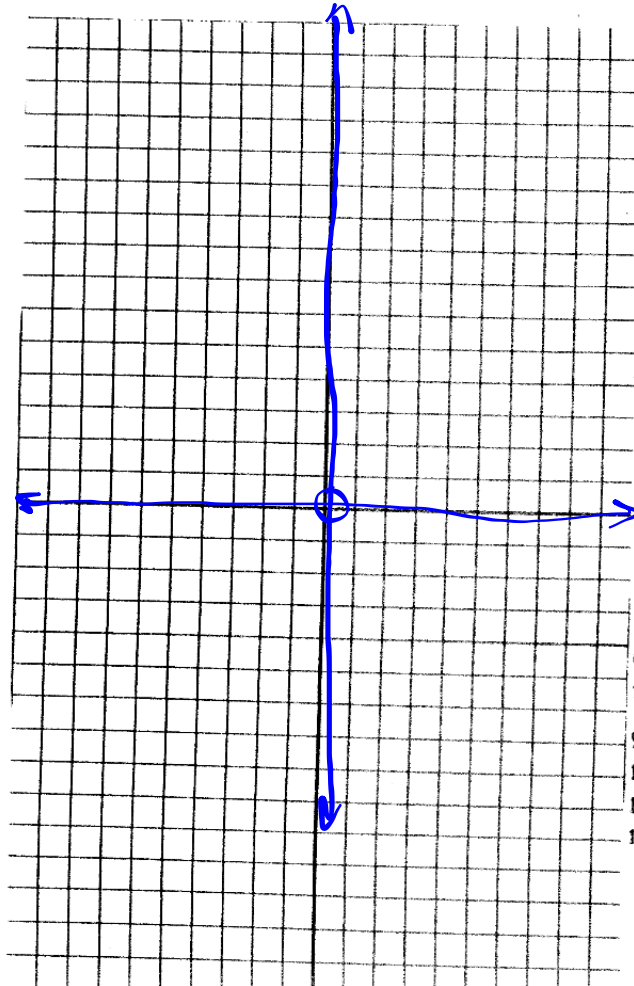
Quadrant:
One of four sections on a coordinate plane

Origin:
Intersection of x, y axis

Ordered Pair:
a pair of numbers, location on (x,y) graph

X-Coordinate:
first number in ordered pair

Y-Coordinate:
Second number in ordered pair



EX:

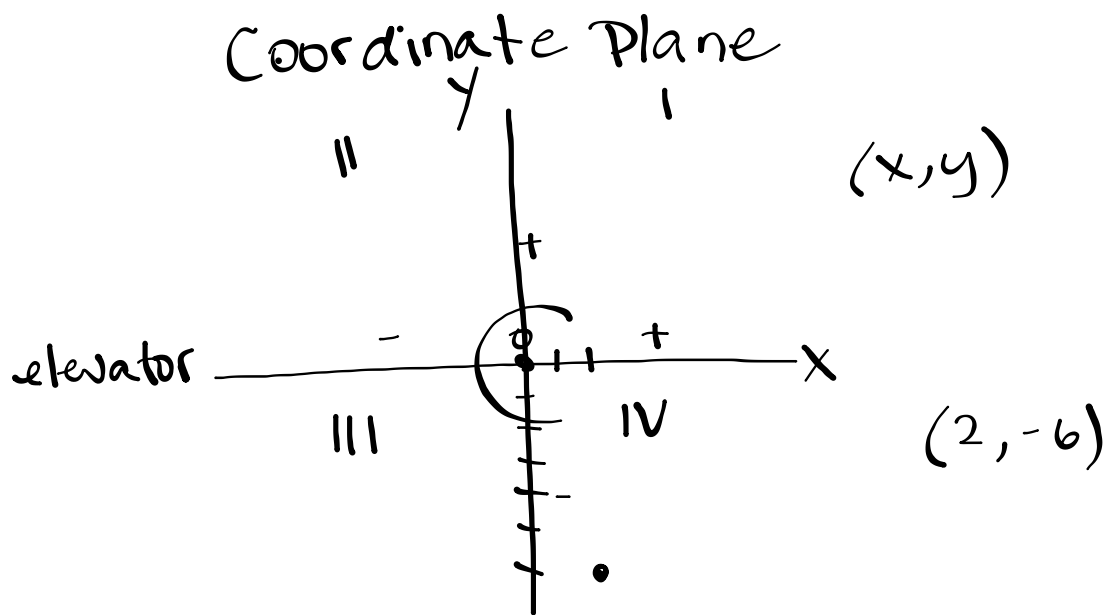
1. Label the X and Y axis
2. Label the Origin
3. Label Quadrants I, II, III, IV
4. Label the signs in each Quadrant (+,-); (+,+); (-,-); (-,+)

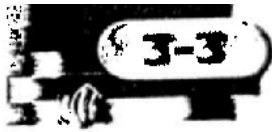
Plot and label the following points

5. A(4, 5)
6. B(-2, 10)
7. C(-6, -4)
8. D(8, -3)

Give the coordinates of the following points

9. E _____
10. F _____
11. G _____
12. H _____

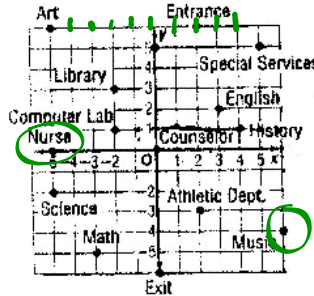




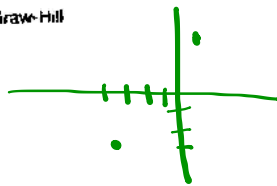
Practice: Word Problems

The Coordinate Plane

SCHOOL For Exercises 1–4, use the coordinate plane at the right. It shows a map of the rooms in a junior high school.



| | |
|--|--|
| <p>1. Thalia is in the room located at $(-2, 1)$. What room is she in? Describe in words how to get from the origin to this point.</p> <p>C.L</p> | <p>2. Thalia's next class is 8 units to the right and 5 units down on the map from where she is now. In what room is Thalia's next class? Find the ordered pair that represents the location of that room.</p> <p>music $(6, -4)$</p> |
| <p>3. Tyrone is in the Art room, but his next class is in the History room. Give Tyrone directions on how to get to the History room.</p> <p>9R + 5D</p> | <p>4. On the map, which classrooms are located in the third quadrant? Describe the coordinates of all points in the third quadrant.</p> <p>Sc. Ma. $(-, -)$</p> |
| <p>5. NEIGHBORHOOD Delsin made a map of his neighborhood in such a way that each intersection is a point on a coordinate plane. Right now, Delsin stands at point $(-4, -3)$. Give the ordered pair of where he will be if moves 5 units to the right and 7 units up on the map.</p> <p>$(1, 4)$</p> | <p>6. NEIGHBORHOOD Refer to Exercise 5. In which quadrant is Delsin when he is done walking? Describe this quadrant.</p> <p>I</p> |



Take Quiz

After quiz begin coordinate plane practice. Finish for homework.

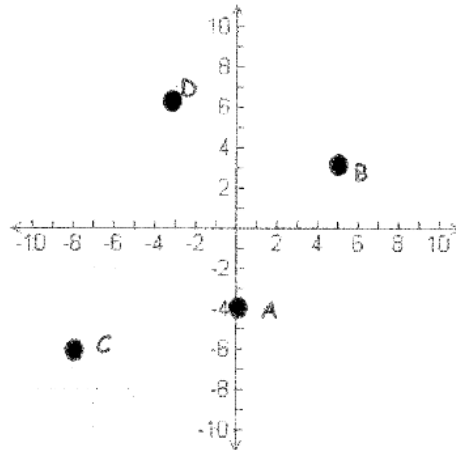
Name _____

Coordinate Plane

- Write the ordered pairs and identify the quadrant for the following points.

Ordered Pair , Quadrant

- A _____
 B _____
 C _____
 D _____

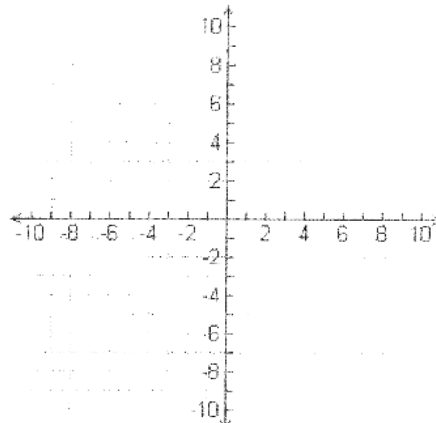


- Label the attached graph using the terms in the words bank.

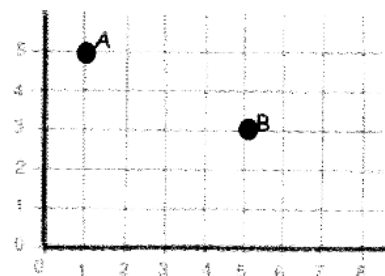
| WORD BANK | | |
|-------------|--------------|------------|
| X axis | y axis | Quadrant I |
| Quadrant II | Quadrant III | |
| Quadrant IV | origin | |

- Graph the following ordered pairs on the coordinate plane to the right.

- A (-8, 0)
 B (4, -7)
 C (0, 10)
 D (-3, -5)



- What is the horizontal distance from point A to point B?



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first 2 letters last name student id #

EX: 12345@vbschools

ba12345

Go to math

select 6th grade

work on the following lessons:

Coordinate Plane X.2, X.3

Square Roots D.10

Integers M.2, M.3, M.5, M.6

