

Dear Super Sixth Grade,

Happy Monday! How was your weekend?
Today is **MATH MONDAY!**

In the chat box, please tell me what 2 big math assignments you have due this week?

Let's have a great week!
Mrs. Oakes

DUE THIS WEEK!!!

- ◎ 6.4 Math Pathway- ALL Topics- 10 questions in each!
- ◎ Unit 8 Math Test

you
choose not
participate,
turn volume
down until
we move to
next slide.



**I pledge
allegiance
to the flag of the
United States of
America,
and to the republic
for which it stands,
one nation under
God, indivisible,
with liberty
and justice for all.**

Student Expectations...

Being part of this “school” is awesome! How can YOU make this ocean even more awesome??.



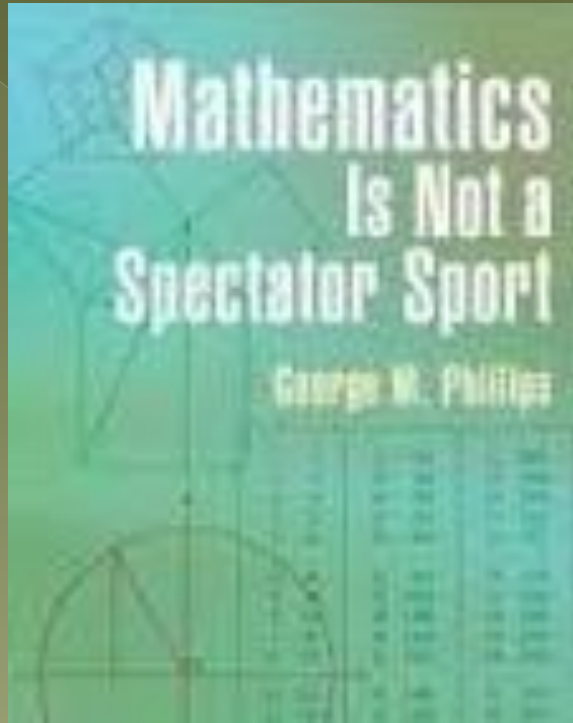
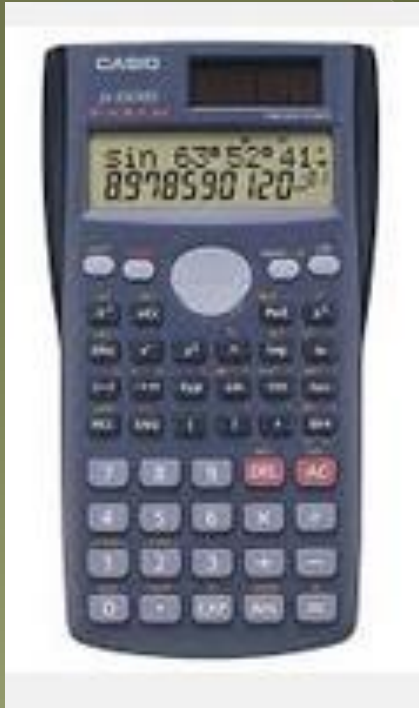
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- ✓ I will BE HERE! **respond** when my name is called, use **polling tools**, **complete classwork**, **notes**, and **chat** to participate!
- ✓ I will **choose my attitude!**
- ✓ I will **demonstrate respect** and **follow directions** for my classmates and teachers to help **make their day!**
- ✓ I will have **fun** learning!

EVERYONE needs a working mic. Call 1-866-K12-care if it's not working. Let's get it fixed!

GET A CALCULATOR AND PENCIL READY!!!!



HOMework

- ◉ STUDY STUDY STUDY for Unit 8 Test-WEDNESDAY!!!
- ◉ 6.4 Math Pathway DUE FRIDAY!!!
- ◉ 10 questions in ALL Topics will need to be complete



If you haven't tried 10 in Percents, Coordinate Planes, & Coordinate Geometry, you need to TONIGHT 😊



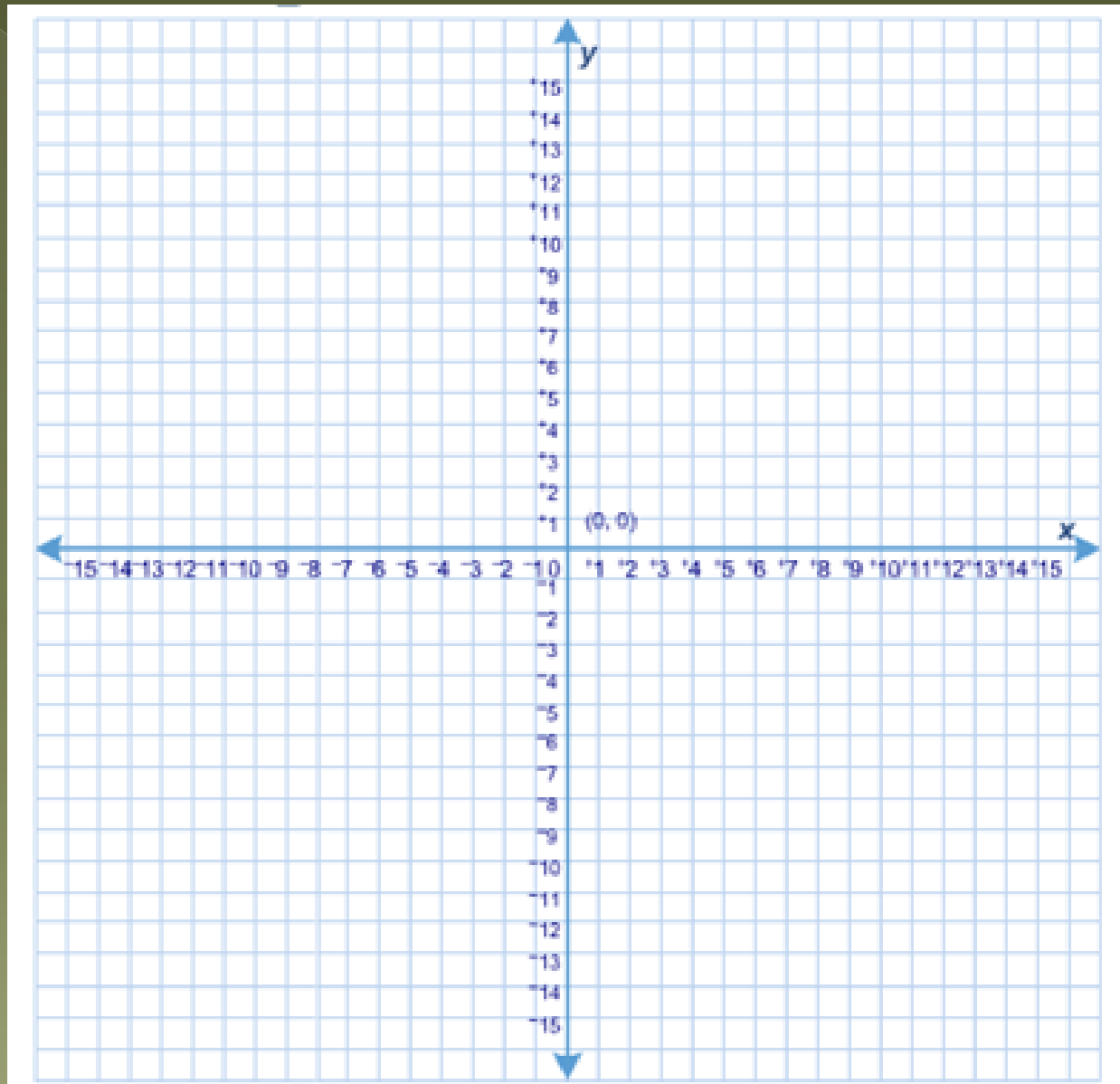
ALERT: ALL of 6.4 Math
Pathway Due on FRIDAY!!!!



Unit 8 Review Day 1

OBJECTIVES:

PARTS OF A COORDINATE GRID

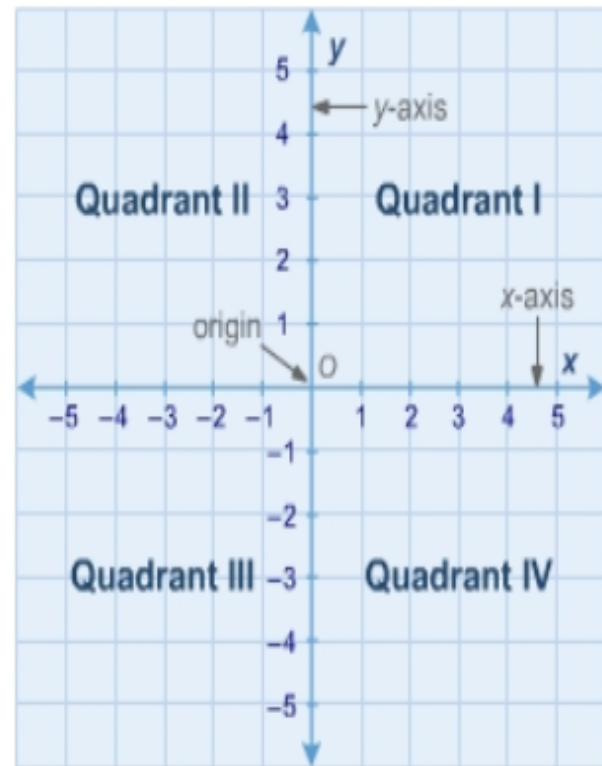


In an ordered pair, the x -coordinate identifies where the point lies along the x -axis, and the y -coordinate identifies where the point lies along the y -axis.

The x -coordinate of a given point tells you how far left or right the point is from the origin, and the y -coordinate tells you how far up or down the point is from the x -coordinate.

A point can lie anywhere in the coordinate plane: on one of the axes, in a quadrant, or at the origin.

Coordinate Plane



Which number do we write first in
an order pair, or run to first to
plot a point?

A point's location on the coordinate plane is described by its coordinates.

We state a point's coordinates as an ordered pair. An ordered pair is made up of two parts: an x -coordinate and a y -coordinate.

The x -coordinate is listed first, and the y -coordinate is listed second.



(x , y)

What is the trick to help us
locate points or plot points?

RUN THEN JUMP

- Run Across the X Axis

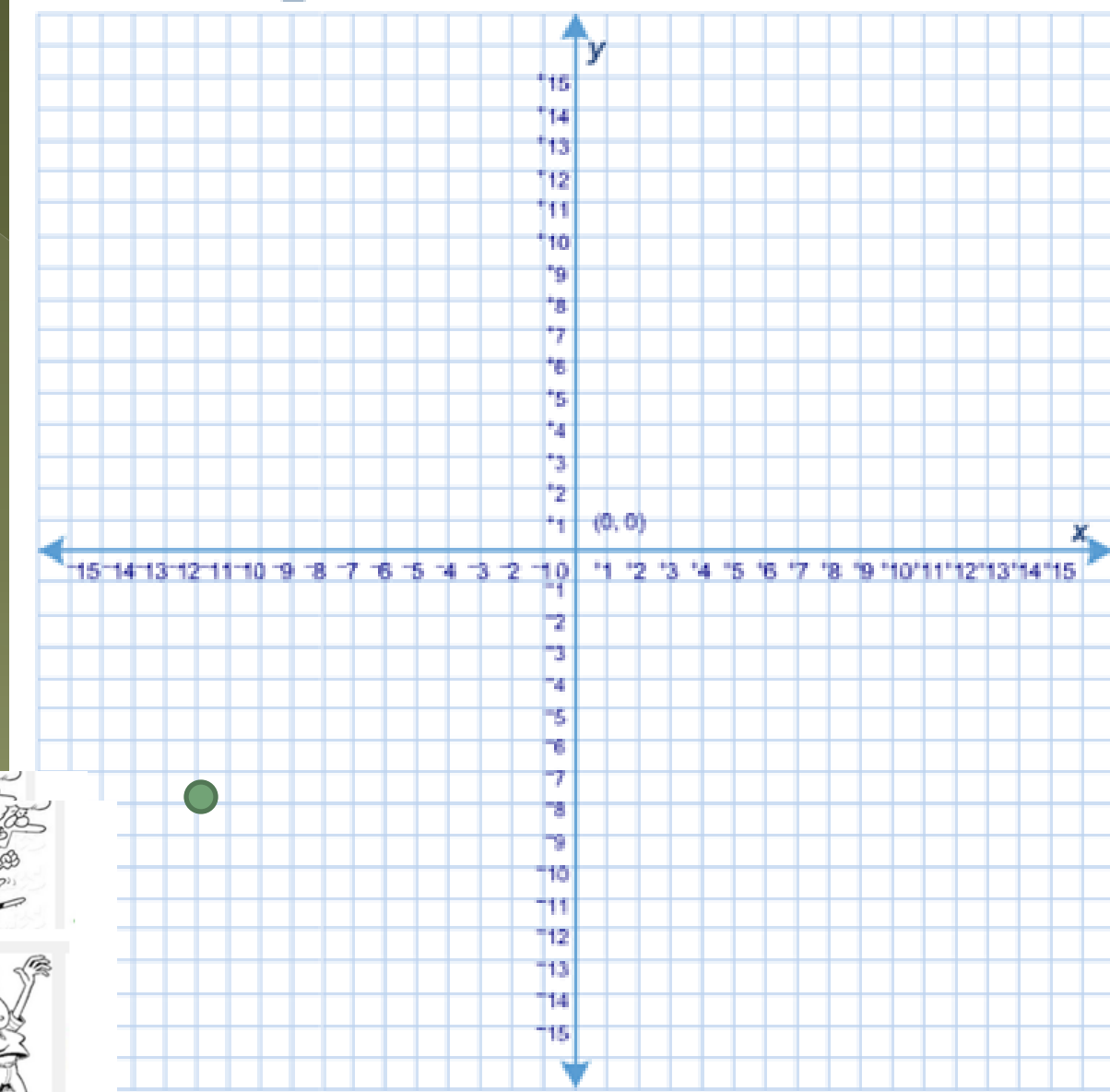


- Jump up or down Y Axis

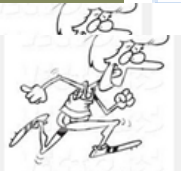


What are the coordinates of Point A?

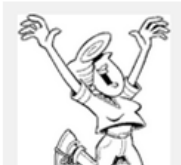
- A. (8, 12)
- B. (12, 8)
- C. (-12, 8)
- D. (-12, -8)

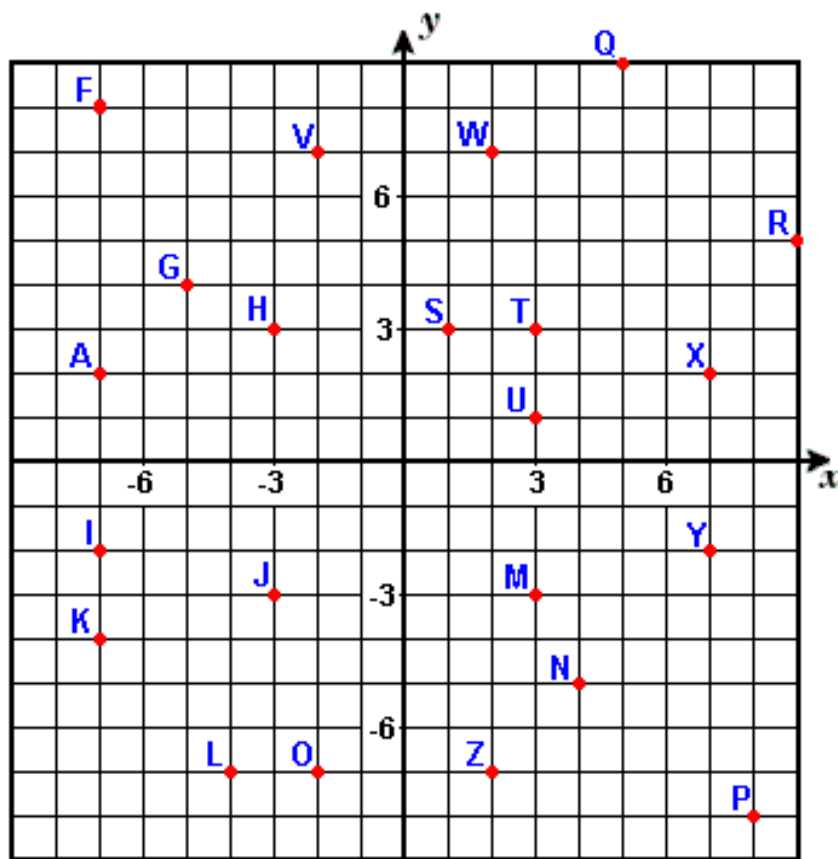


• Run Across the X Axis



• Jump up or down Y Axis





What are the coordinates of the point at A?

- A. (7, 2)
- B. (7, -2)
- C. (2, -7)
- D. (-7, 2)

- Run Across the X Axis



- Jump up or down Y Axis



What are the coordinates of the baseball field?

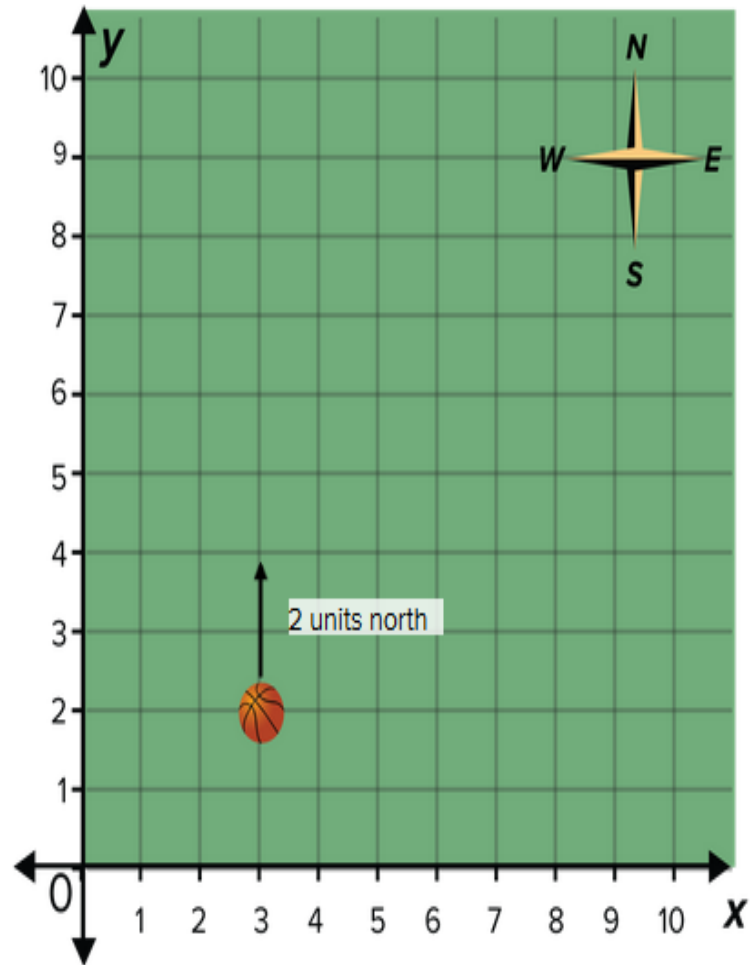
A. (4, 3)

B. (2, 4)

C. (3, 4)

D. 3,4

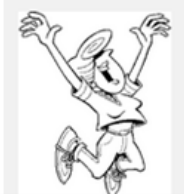
Each unit on the coordinate plane represents 1 mile of distance.



• Run Across the X Axis



• Jump up or down Y Axis



PLOTTING POINTS!

RUN THEN JUMP!

$(-5, 2)$

$(12, 9)$

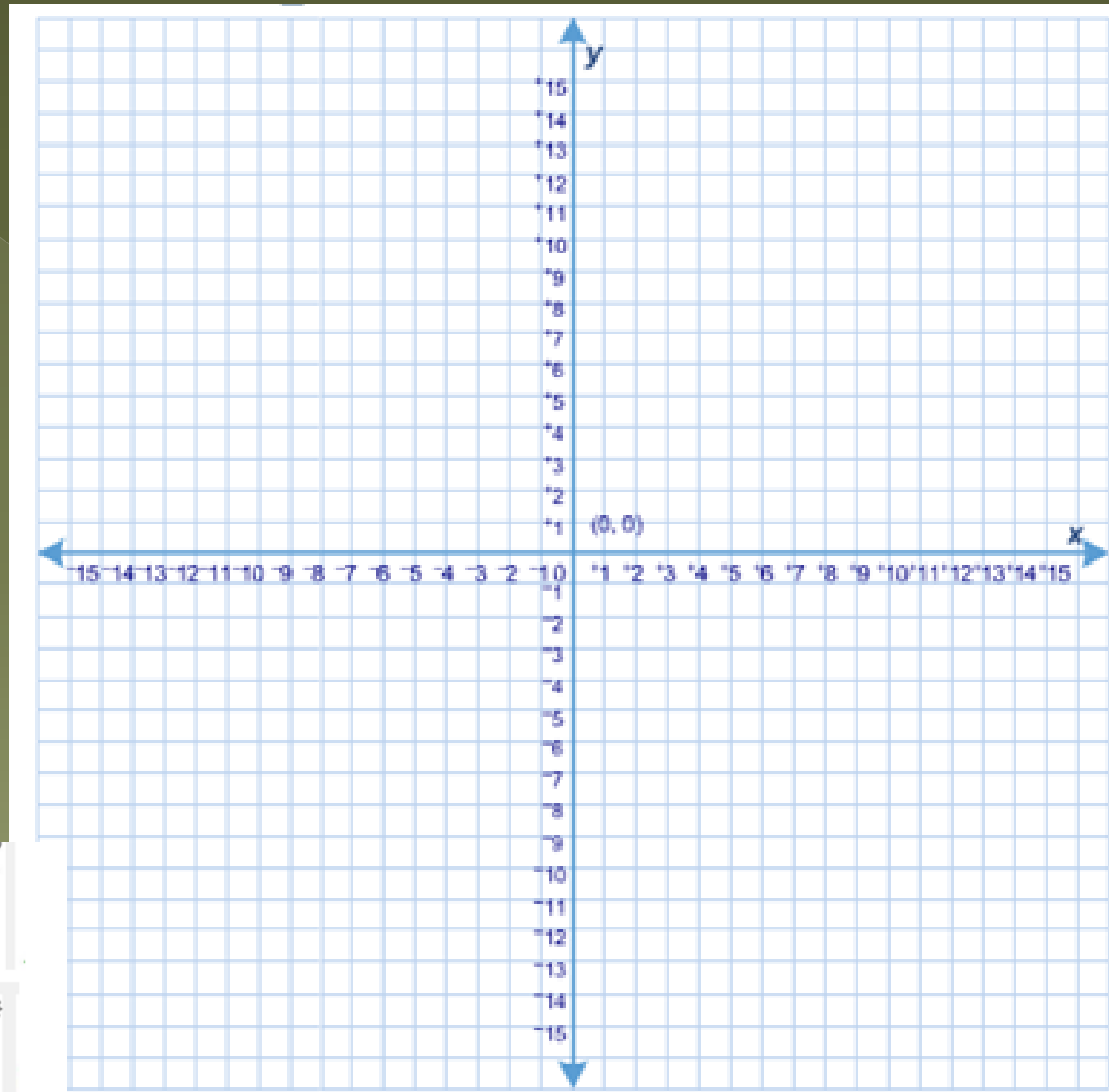
$(-3, 7)$

$(9, -5)$

$(6, 7)$

$(-5, 8)$

$(9, 0)$



- Run Across the X Axis



- Jump up or down Y Axis



SMILE BREAK 😊

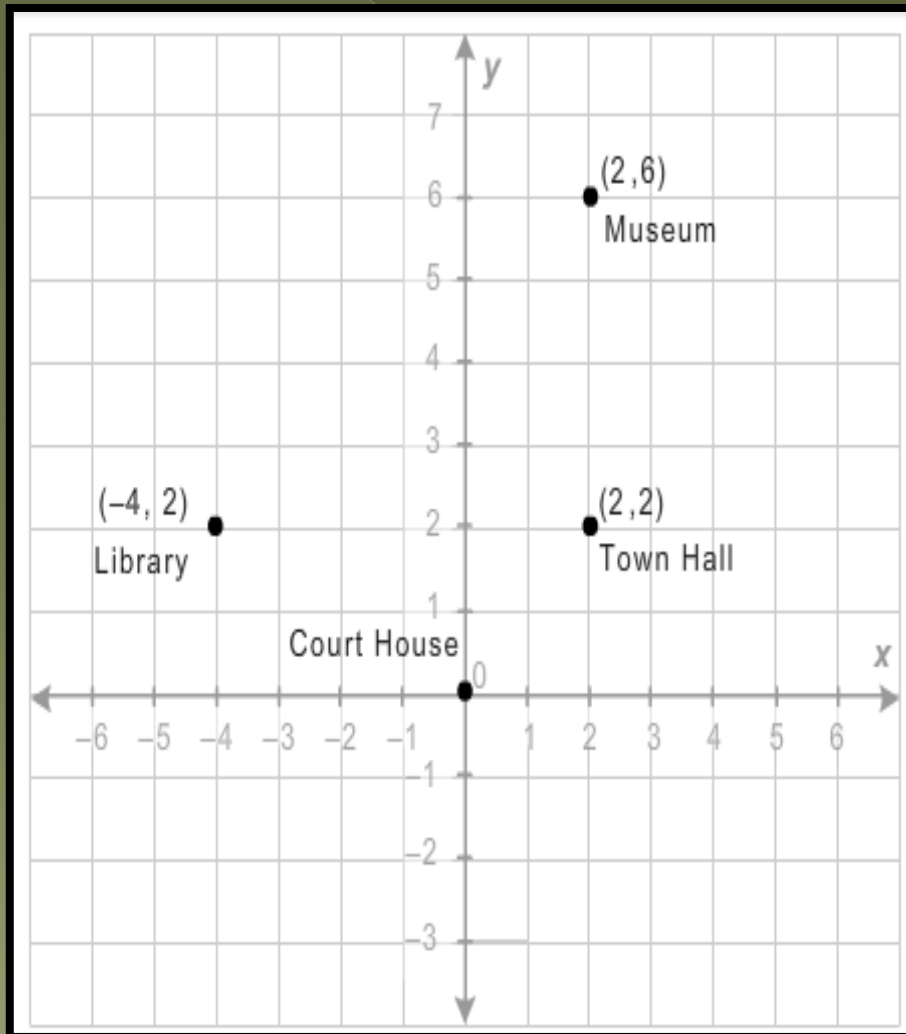


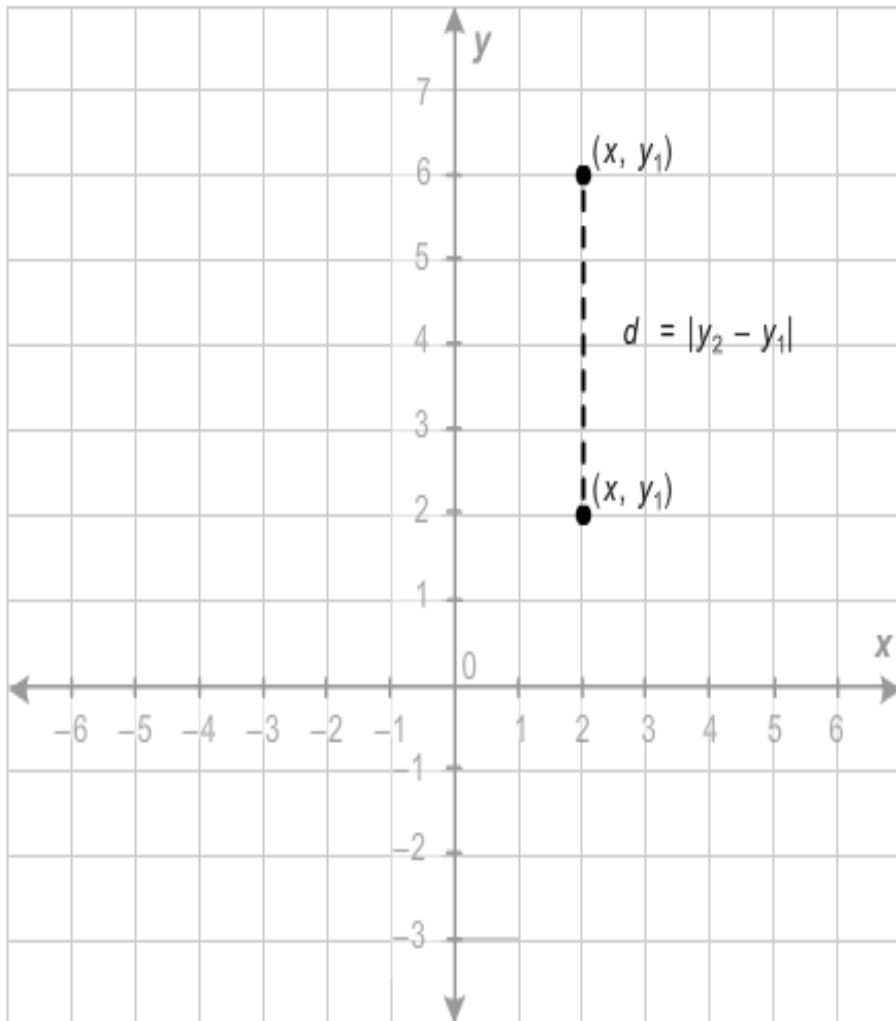
DAY 1 - PART 2

Distance On a Coordinate Plane

Finding Distance

The locations of several public buildings in Numberville are plotted on a coordinate grid. Each square of the grid represents a city block. What is the distance between the town hall and the museum in city blocks?





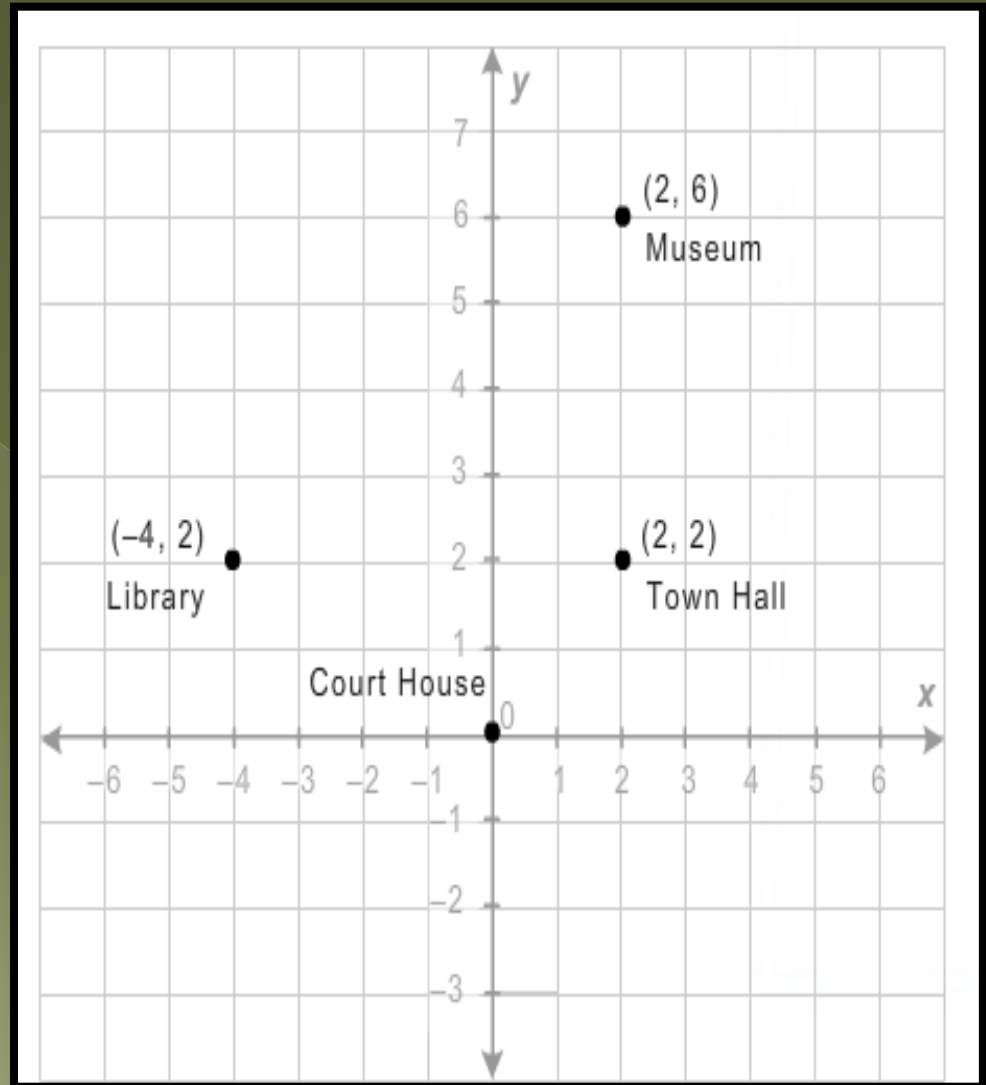
You can find the distance between two points on a coordinate plane that have the same x-value if you use this formula:

$$d = |y_2 - y_1|$$

Either y-value can be substituted for y_2 or y_1 .

What is the distance between the Town Hall and the Library?

- A. 4 blocks
- B. 6 blocks
- C. 3 blocks
- D. 5 blocks



Find the distance between the points on the coordinate plane.

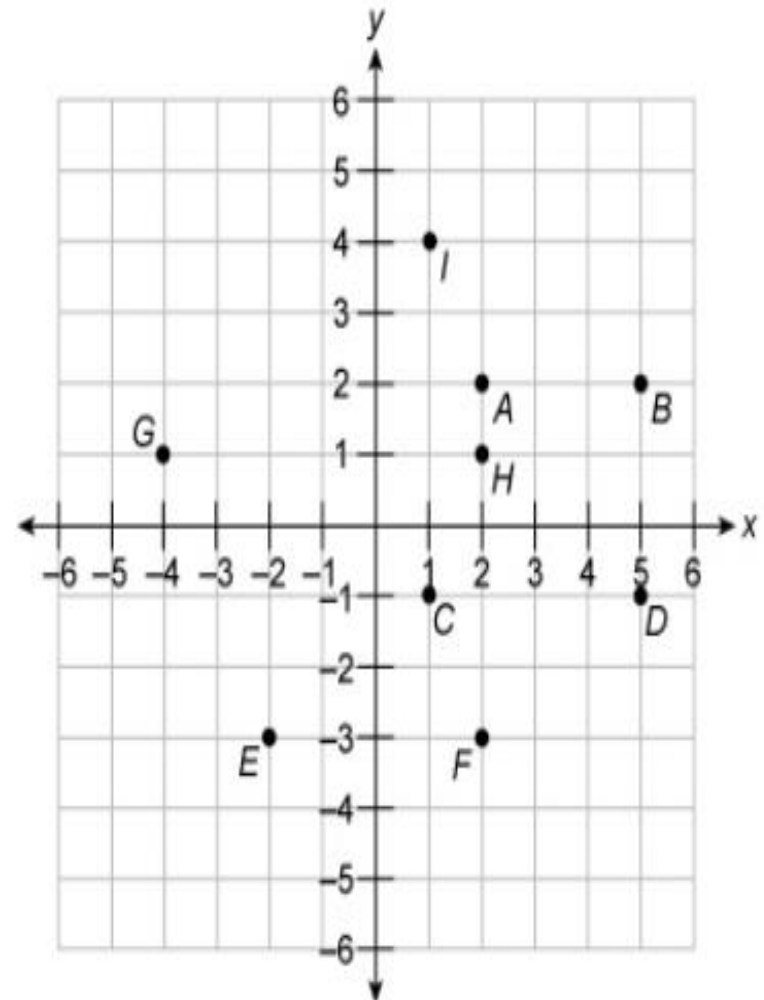
Points G and H

A. 4

B. 5

C. 6

D. 8



When you know the formulas for finding the distance between two points on the coordinate plane, you don't need to see the points on a coordinate grid. All you need to know is the coordinates of the points.

Finding Distance

Choose the correct solution for finding the distance between points $A(4, 3)$ and $B(4, 7)$.

$d = |y_2 - x_1|$
 $= |7 - 4|$
 $= |3|$
 $= 3$

$d = |y_2 - y_1|$
 $= |7 - 3|$
 $= |4|$
 $= 4$

$d = |x_2 - x_1|$
 $= |4 - 4|$
 $= |0|$
 $= 0$

A

B

C

Finding Distance

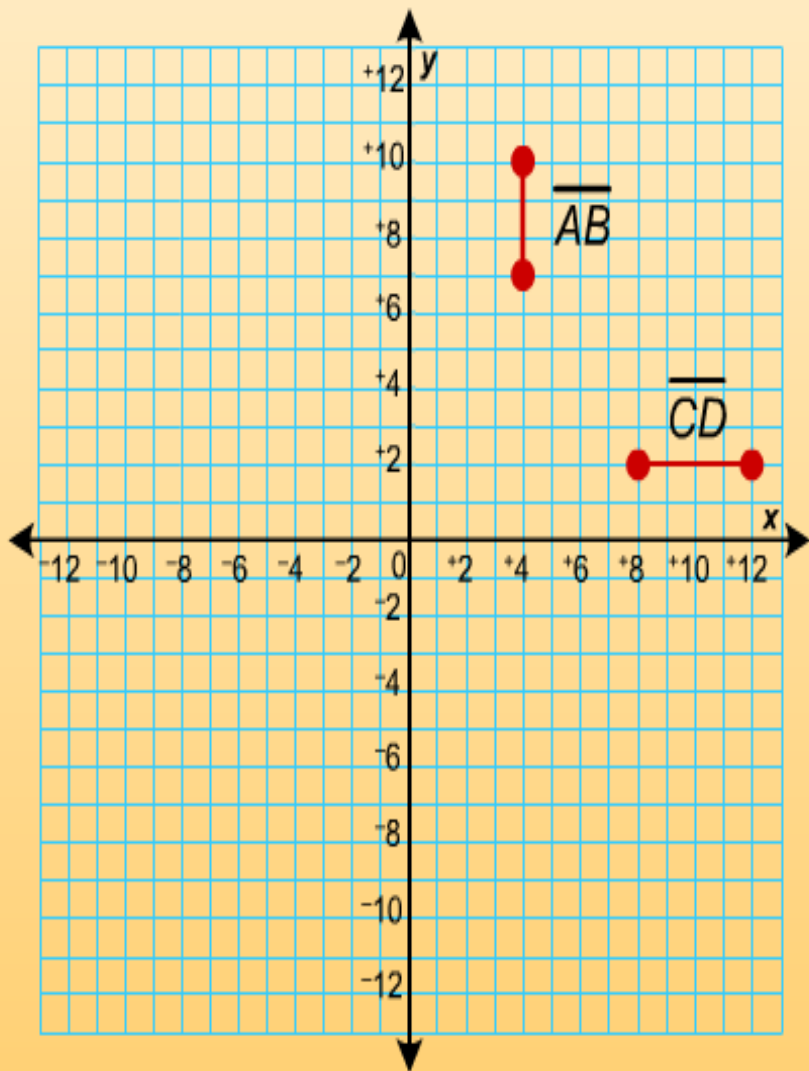
Choose the correct solution for finding the distance between points $E(-1, 5)$ and $F(3, 5)$.

$d = |x_2 - x_1|$
 $= |3 - (-1)|$
 $= |3 + (+1)|$
 $= |4|$
 $= 4$

$d = |x_2 - y_1|$
 $= |3 - 5|$
 $= |3 + (-5)|$
 $= |-2|$
 $= 2$

$d = |y_2 - y_1|$
 $= |5 - 5|$
 $= |5 - 5|$
 $= |0|$
 $= 0$

Which is true?



\overline{AB} is longer than \overline{CD} .

A

\overline{CD} is longer than \overline{AB} .

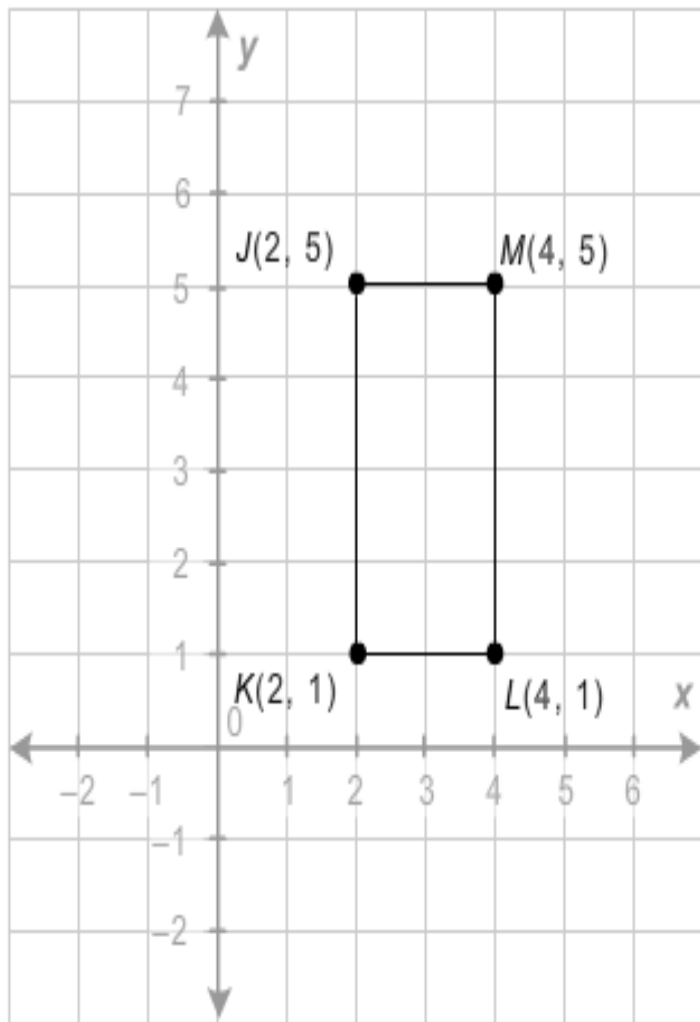
B

\overline{CD} is the same length as \overline{AB} .

C

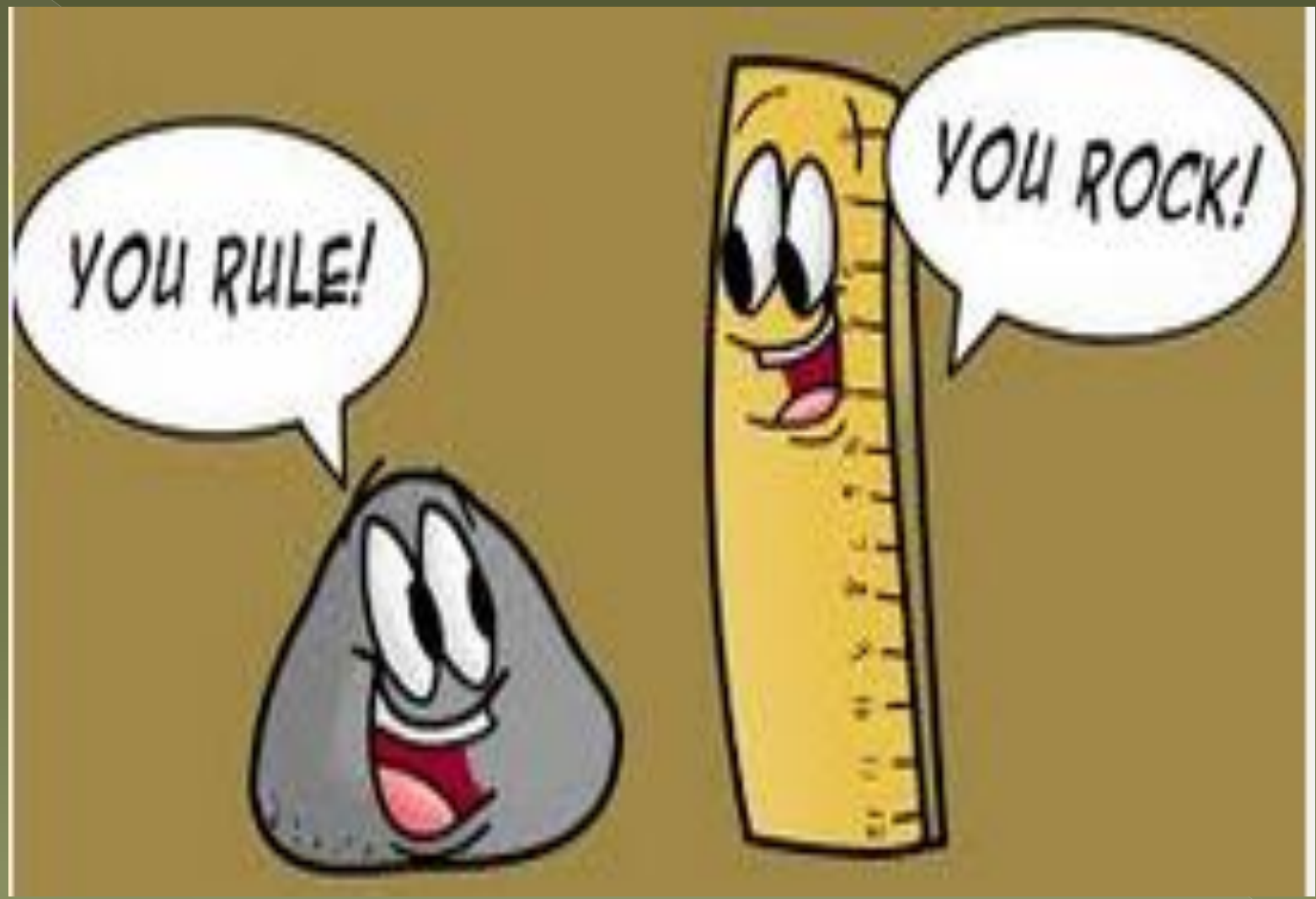
Using x- and y- Coordinates

Find the perimeter of rectangle $JKLM$.



What will the perimeter be?

- A. 6
- B. 12
- C. 16
- D. 14



YOU RULE!

YOU ROCK!

QUESTIONS:



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