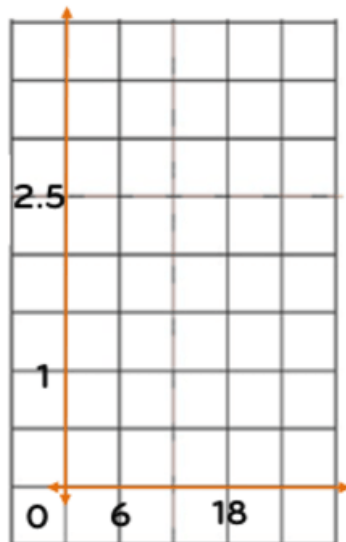# HELLO!

Today we are going to revise geometry – co-ordinates in all four quadrants

Arithmetic Warm Up

Please label:

a) Y axis
b) X axis
c) All the intervals

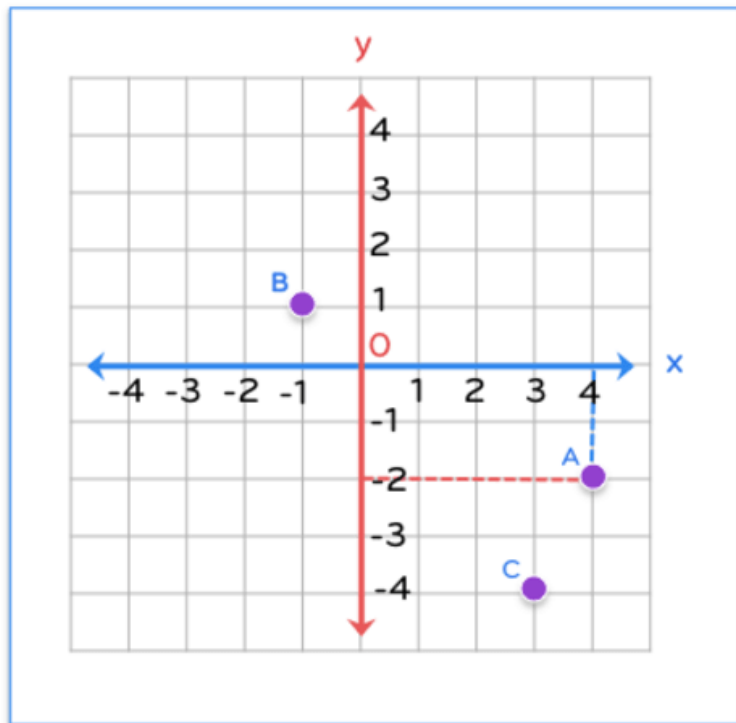# Revision on Position and Direction

First we are going to revise:

🎧 coordinates in all four quadrants

Revision: Coordinates

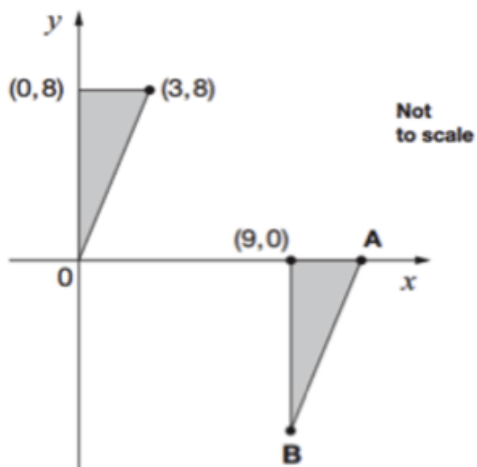1) What are the coordinates of B and C (x-value , y-value)

A (4, −2)

B (☐ , ☐)

C (☐ , ☐)

2) Plot the coordinate (-4, -2) on the coordinate plane.

Question 1

Here are two **identical** shaded triangles on coordinate axes.

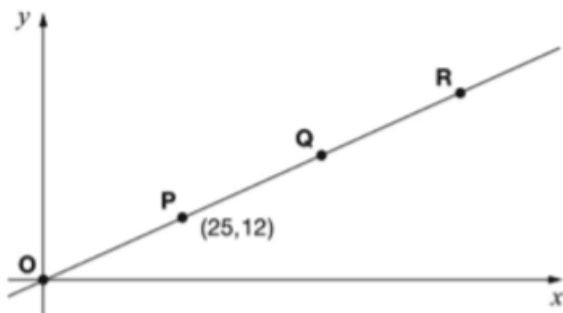Not to scale

Write the coordinates of points A and B.

$A = ($, $)$

$B = ($, $)$

You are revising co-ordinates in all four quadrants (Meeting Y6 expectations)

Here is a line on coordinate axes.

Points **O**, **P**, **Q** and **R** are equally spaced.

The coordinates of **P** are (25,12).

What are the coordinates of **R**?

R = (,)

Question 3

The shaded shape is a **square**.
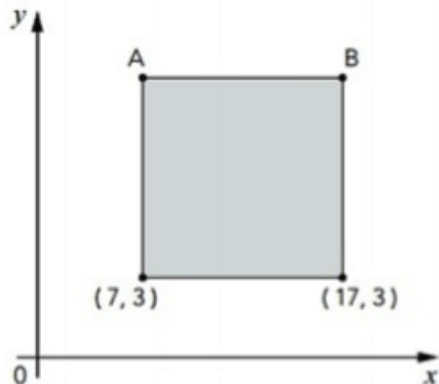
Not drawn accurately

What do you notice?
What do you know?
Can you show your working out?
How could you extend the question?

What are the coordinates of A and B?

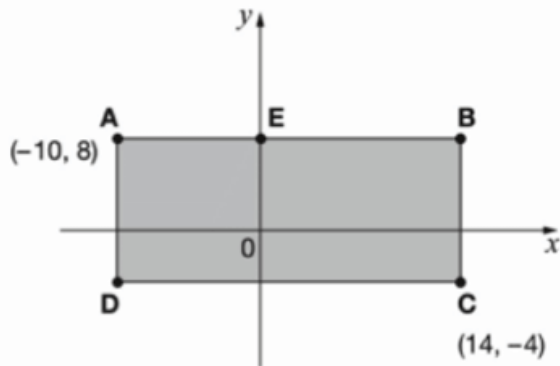A (_____ , _____)   B (_____ , _____)

You are revising co-ordinates in all four quadrants (Meeting Y6 expectations)

ABCD is a rectangle drawn on coordinate axes.

The sides of the rectangle are parallel to the axes.

What are the coordinates of **D** and **E**?

D is (,)

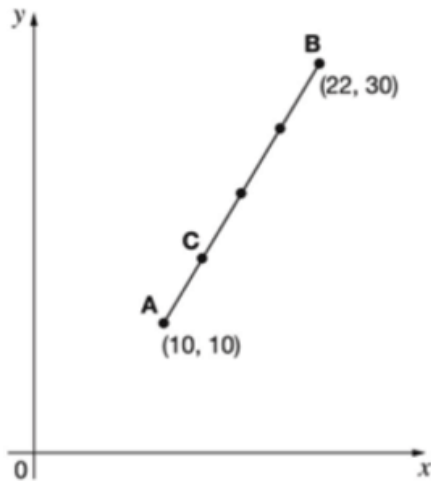**E is** (,)

Let's review:

Can describe 2D coordinates in all four quadrants.

Draw a circle around the smiley face to show how you feel about what we've just been doing.

CHALLENGE

A and **B** are joined by a straight line on coordinate axes.

The dots on the line are equally spaced.

What are the coordinates of **C**?

C is (,)

The four quadrants

1. Label the quadrants using:
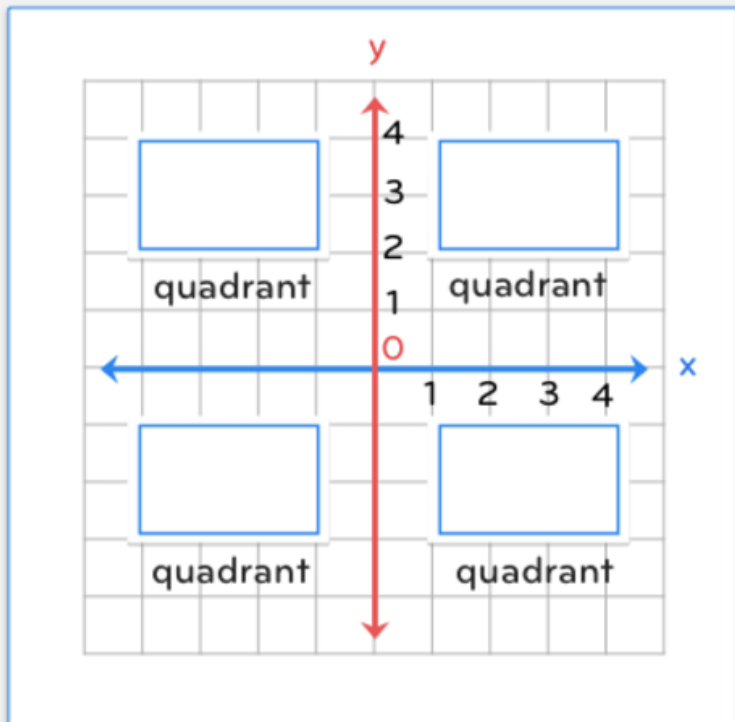   1st
   2nd
   3rd
   4th

2. Complete the missing numbers on the axes.
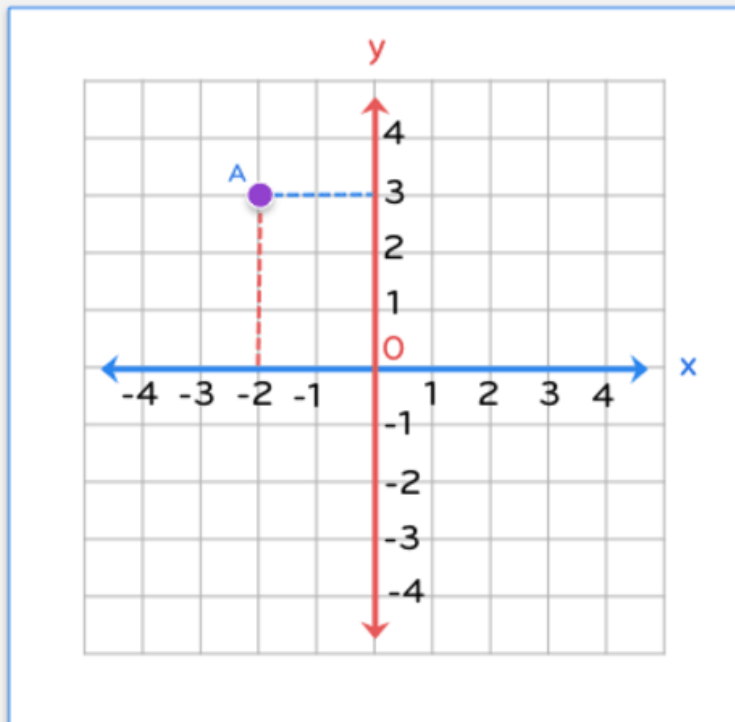
How to read a point
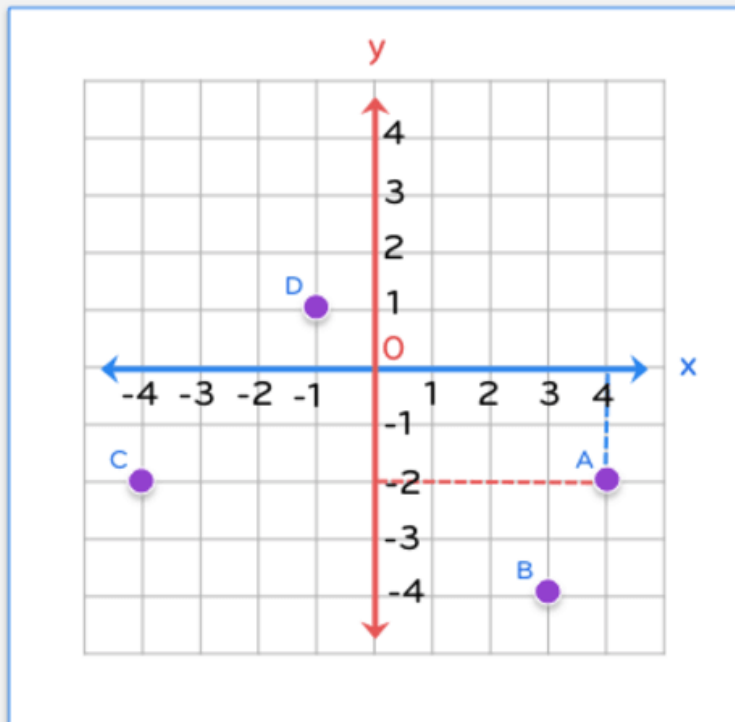
(x-value , y-value)

A (4, −2)

B (☐ , ☐)

C (☐ , ☐)

D (☐ , ☐)

Plotting a point

A = (-2, 3)

Plot and label:

B (-3,-4)
C (2, -1)