

Is **x** across?

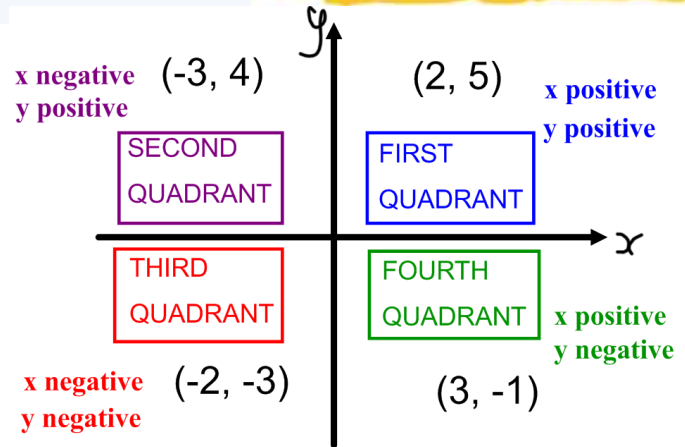
number to left of y-axis

number below the x-axis

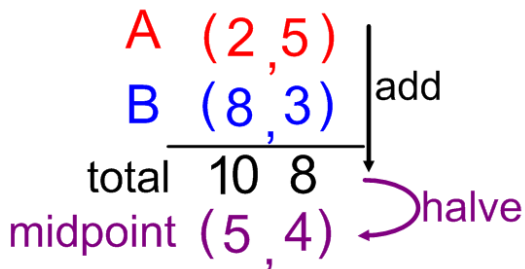
label lines not squares

leave equal sized gaps

label axes with x and y, use arrows

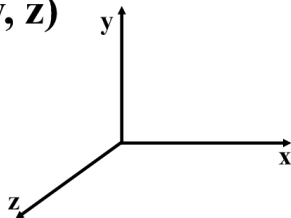


Midpoint:

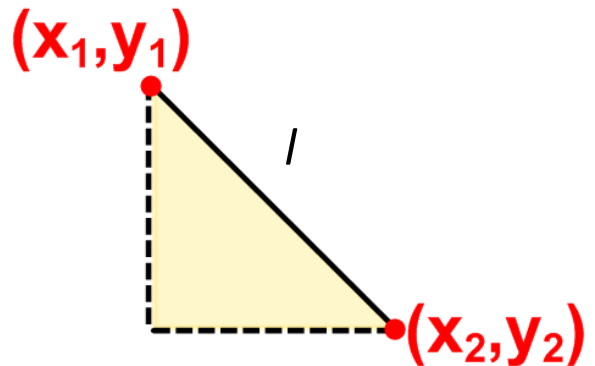


Coordinates in 3 dimensions

Follow the x-axis, then the y-axis, then the z-axis (x, y, z)



Magnitude (Length)



$$l = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

**Key Vocabulary:** Axis, Axes, Coordinate, Grid, Dimension, Horizontal, Vertical, Line segment, Midpoint, Magnitude

**Key Websites:**

- [www.mymaths.co.uk](http://www.mymaths.co.uk) login is torpoint, see teacher for password
- [www.mrbartonmaths.com](http://www.mrbartonmaths.com)
- [www.corbettmaths.com](http://www.corbettmaths.com)
- [www.justmaths.co.uk](http://www.justmaths.co.uk)
- [www.missbsresources.com](http://www.missbsresources.com)
- [www.onmaths.com](http://www.onmaths.com)
- [www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)
- [www.nrich.maths.org](http://www.nrich.maths.org)