Midpoint:

Find the midpoint of a segment having endpoints at..
1. (7,1) & (-3,1).   2. (5,-2) & (9,-8)

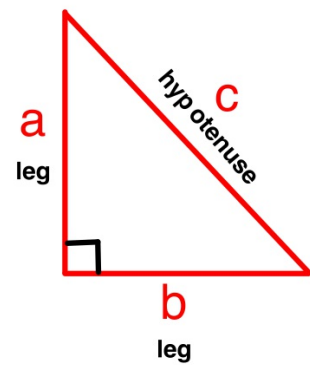
Find the other endpoint of a segment if given one endpoint and the midpoint.

3. endpt. (-4,4)   4. endpt. (3,10)
   midpt. (0,0)   midpt. (7,-1)

Pythagorean Theorem: $a^2 + b^2 = c^2$
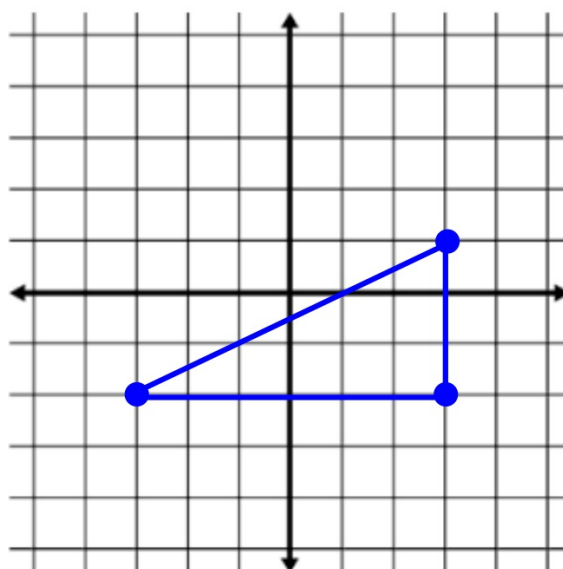
1. a= 8 b= 15 c= ?

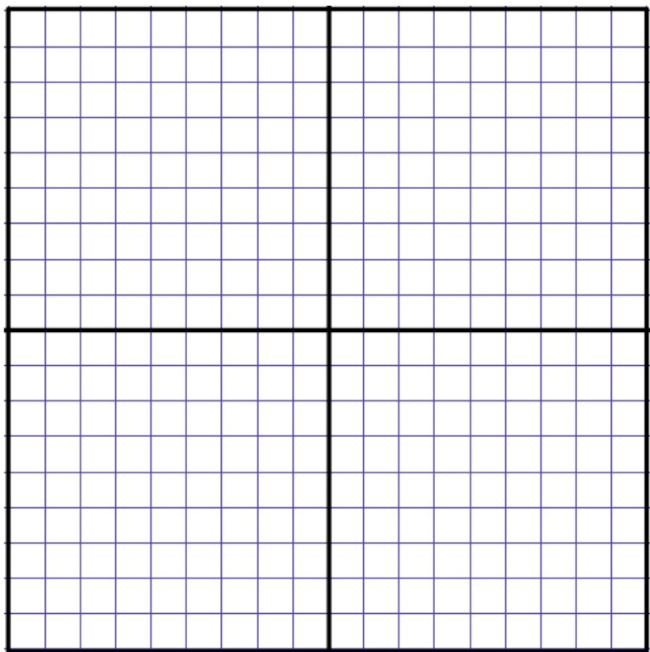2. c= 25 b= 10 a= ?

3. a= 14 b= 12 c= ?

Use the Pythagorean theorem to find the hypotenuse.

Distance/Length:

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

1. (2,3) & (- 4,6)

2. (- 2,3) & (8,- 10)