

EX4. The Robertson Cell Phone Company charges \$50 per month plus 15 cents per minute while the Stogner Cell Phone Company charges no monthly fee but 25 cents per minute. After how many minutes of phone usage would a monthly phone bill be the same from both companies?

m : # of minutes

$$\text{Robertson} \Rightarrow b = 50 + .15m$$

b : bill

$$\text{Stogner} \Rightarrow b = 0 + .25m$$

* then solve by graphing

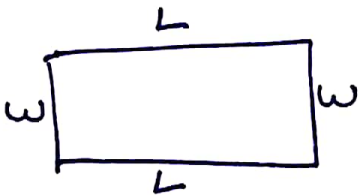
EX5. The perimeter of a rectangle is 64 feet. The length is thirteen feet ^② less than ^① twice the width. Find the dimensions of the rectangle.

L : length

w : width

$$2L + 2w = 64$$

$$L = 2w - 13$$



$$P = 2L + 2w$$