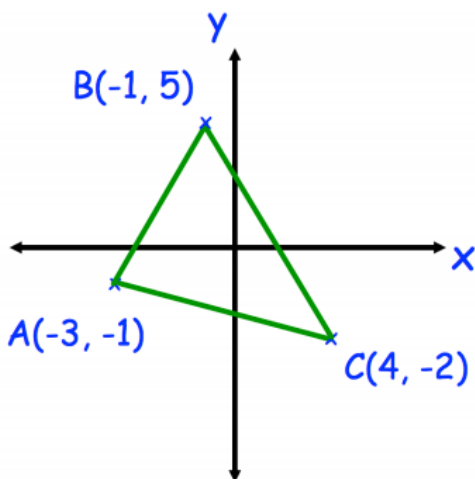




y is proportional to w^2
 $w > 0$.

When w is increased by $x\%$, y doubles in value.

Find x



Calculate the perimeter of the triangle ABC

Calculate the area of ABC

Time (hours)	1st Year Frequency	2nd Year Frequency
$0 < h \leq 5$	18	0
$5 < h \leq 10$	20	7
$10 < h \leq 20$	41	63
$20 < h \leq 40$	30	54
$40 < h \leq 60$	16	9
$60 < h \leq 100$	9	1

A professor believed that second year university students spent longer revising than first year university students.

Compare the time spent revising by the 1st year and 2nd year university students.

Use estimates of the medians and estimates of the interquartile ranges.