

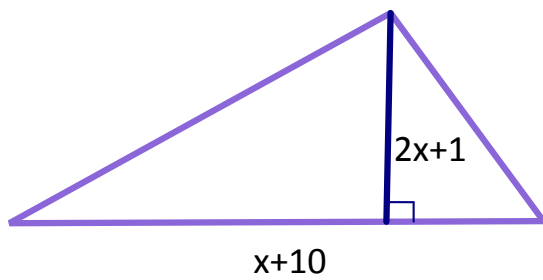
1. A rectangular parking lot has a length that is 20ft more than its width. Its area is 2400 ft². What are the dimensions of the lot?

2. A rock is thrown directly upward from ground level. After t seconds, its height is given by $f(t) = -16t^2 + 256t$
 - a. After how many seconds will it be 240 ft above the ground?

b. Why is there two answers?

c. When will the rock hit the ground?

3. Find the height and base of the triangle if the area is 165 square feet.



4. 9 times the square of a number gives the same result as if you took 6 times the number decreased by 1.