Name _____

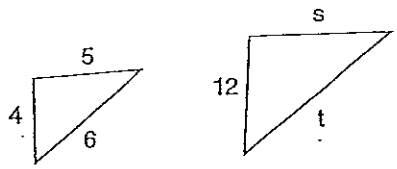
Date _____

Period _____

Similar Triangles and Proportion

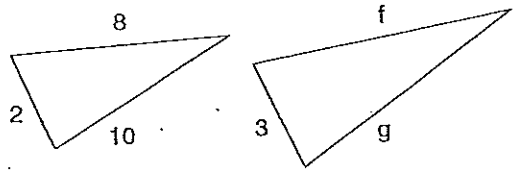
Each pair of triangles below is similar. Set up proportions to find the missing measurements. Be sure to show your proportion, an equation and your solution!!

1.



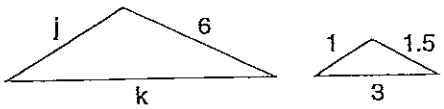
s = _____ t = _____

2.



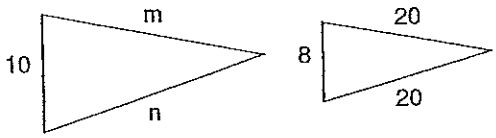
f = _____ g = _____

3.



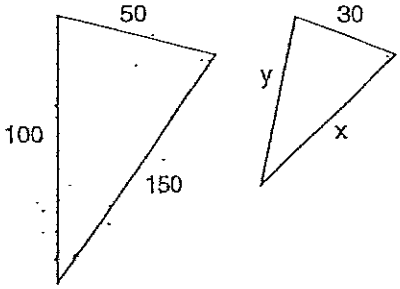
j = _____ k = _____

4.



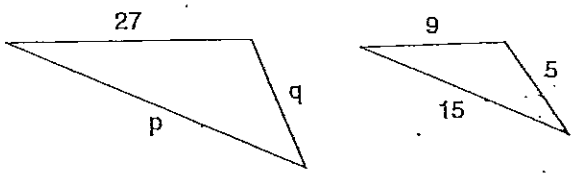
m = _____ n = _____

5.



x = _____ y = _____

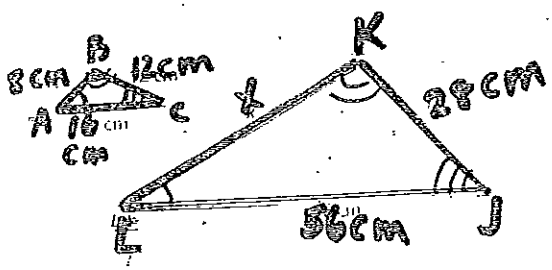
6.



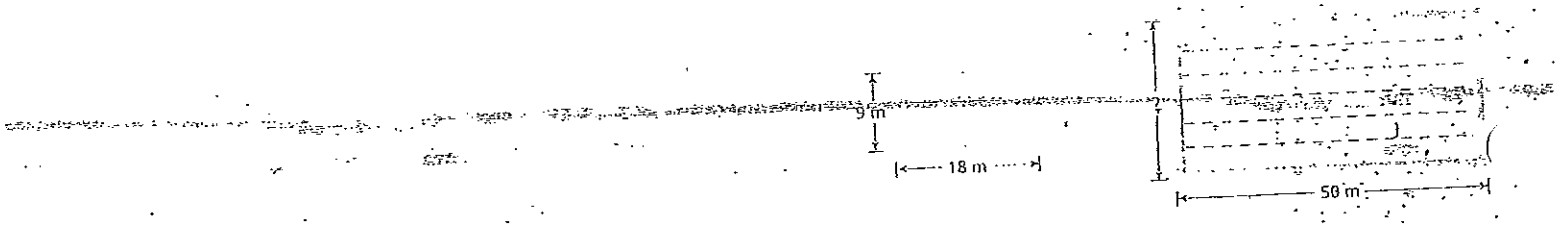
p = _____ q = _____

Using Similar Figures

1) Triangle ABC is similar to Triangle JKL. Find the unknown length.



2) A volleyball court is a rectangle that is similar in shape to an Olympic-sized pool. Find the width of the pool.



3) Estimate the height of the birdhouse in Chantal's yard, shown below.