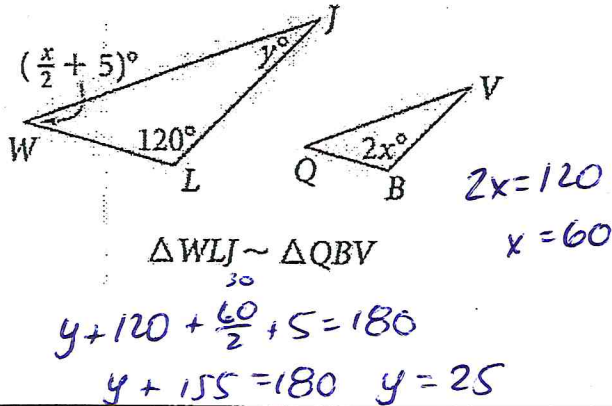


I can use similar figures properties to solve for a variable or missing angle.

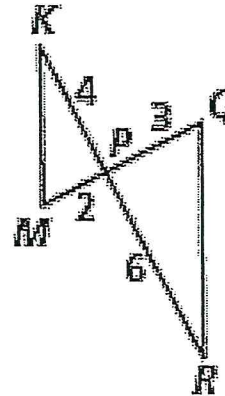
Given the following calculate the value of x and y. Show complete work

Find the values of the variables.



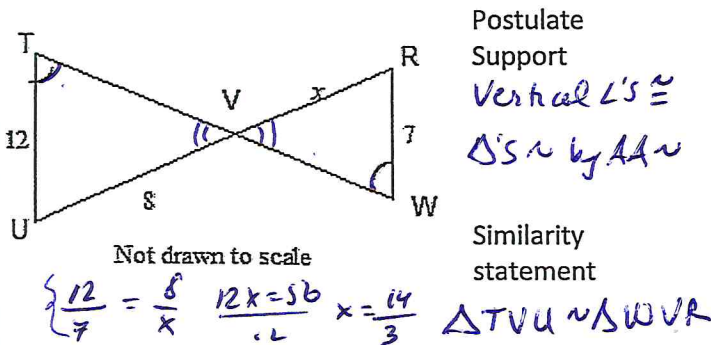
I can prove similarity of two triangles using the triangle similarity postulates

Postulate *Vertical L's  $\cong$*   
Support  $\frac{4}{2} = \frac{3}{6}$  Sides prop

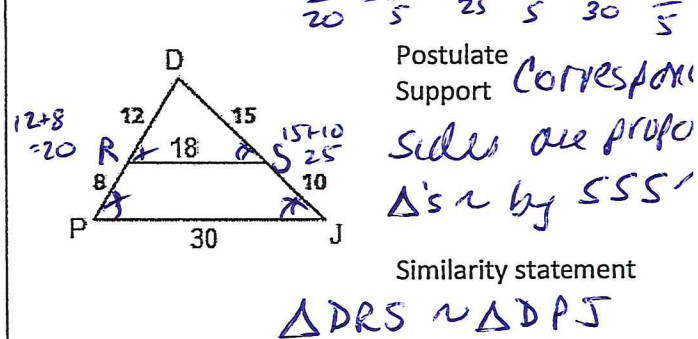


Similarity statement  
 $\triangle KPM \sim \triangle RPQ$   
by SAS

I can prove similarity of two triangles using the triangle similarity postulates

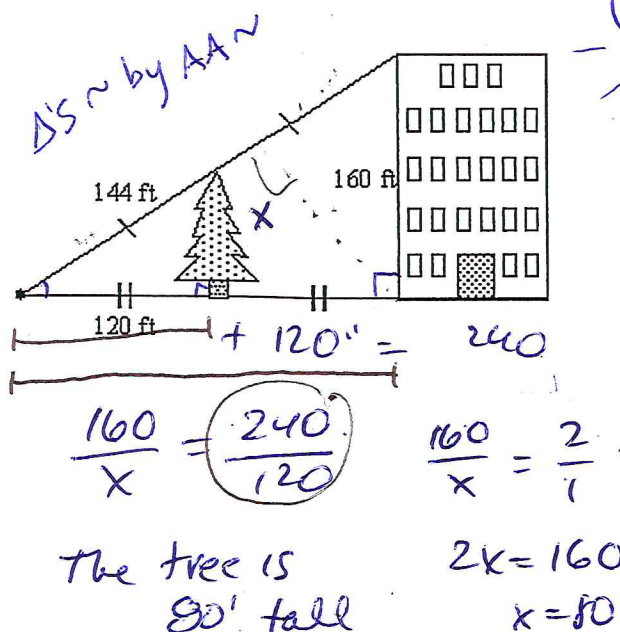


I can prove similarity of two triangles using the triangle similarity postulates



Applications of similar triangles: I can use properties of similar triangles to determine indirect measures.

Use the information in the diagram to determine the height of the tree to the nearest foot.



Applications of similar triangles: I can use properties of similar triangles to determine missing sides

Find the value of x. Round your answer to the nearest thousandths.

