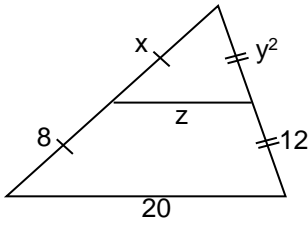
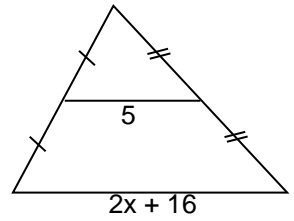


Find the values of the variables. You must show all work to receive full credit. Figures are not drawn to scale.

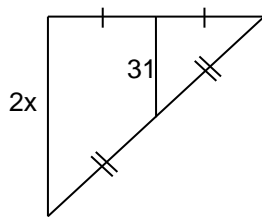
1. $x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$ $z = \underline{\hspace{1cm}}$



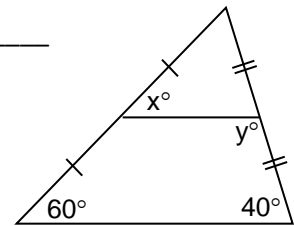
2. $x = \underline{\hspace{1cm}}$



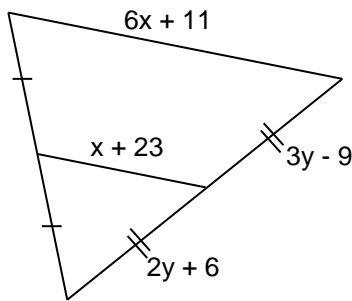
3. $x = \underline{\hspace{1cm}}$



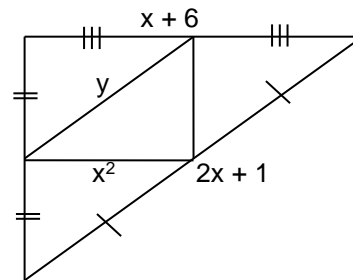
4. $x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$



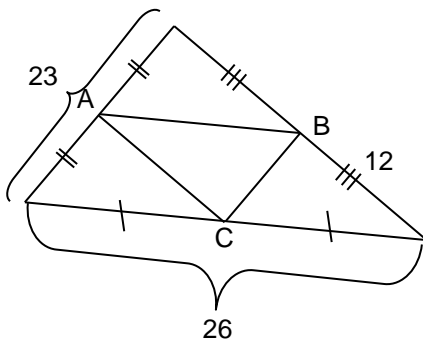
5. $x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$



6. $x = \underline{\hspace{1cm}}$ $y = \underline{\hspace{1cm}}$



7. Find the perimeter of $\triangle ABC$.



8. One side of the Rock and Roll Hall of Fame is an isosceles triangle made up of smaller triangles based on mid-segments. The length of the base of the building is 229.5 feet. What would the base of the bold triangle be?

