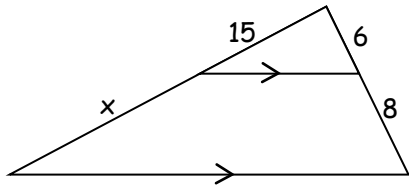


6.3 Proportionality Theorems/Midsegments
Pre-AP Geometry

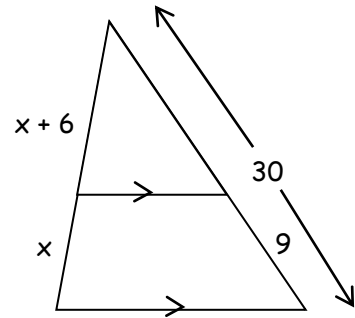
Name _____
 Period _____ Date _____

Find the value of each variable.

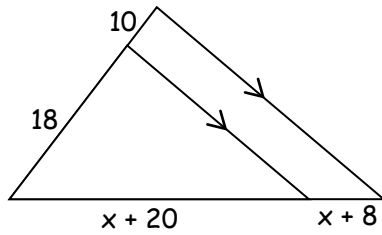
1. $x =$ _____



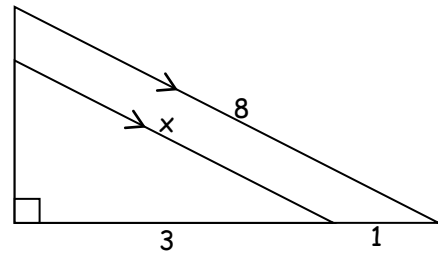
2. $x =$ _____



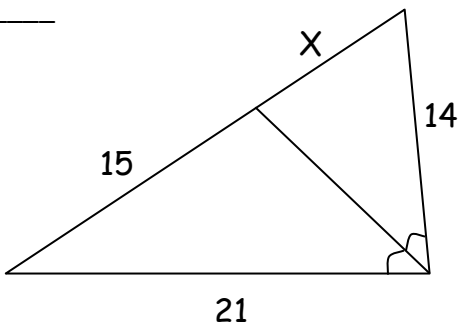
3. $x =$ _____



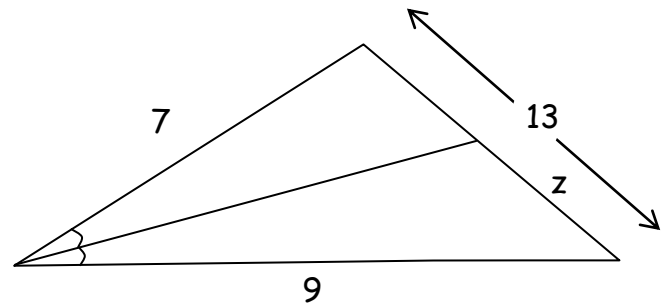
4. $x =$ _____



5. $x =$ _____



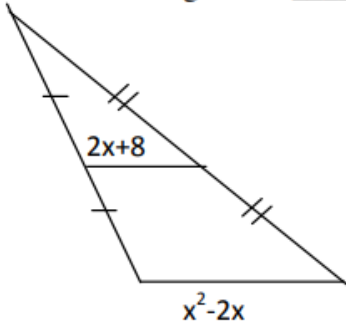
6. $z =$ _____



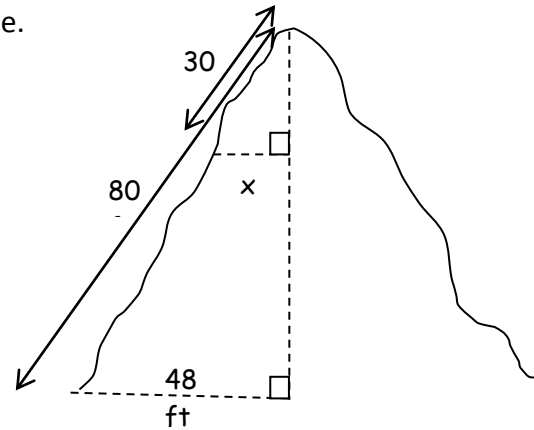
7. Determine the two possible lengths for the midsegment in the triangle shown.

$x = \underline{\hspace{2cm}}, \underline{\hspace{2cm}}$

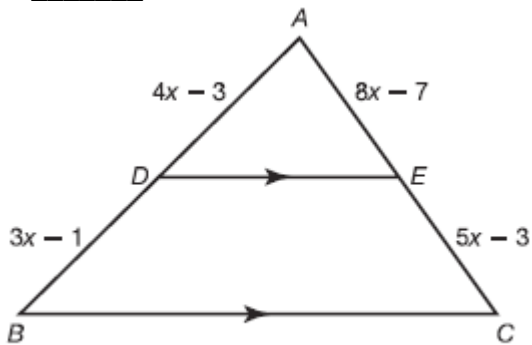
Midsegment = $\underline{\hspace{2cm}}$ or $\underline{\hspace{2cm}}$



8. A park ranger needs to find the location from a helicopter of an injured bear. He knows some of the trail distances, but needs to know the horizontal distance from the peak of the mountain. Find the distance.



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



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

