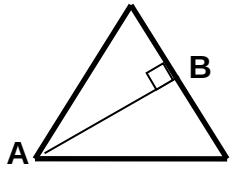
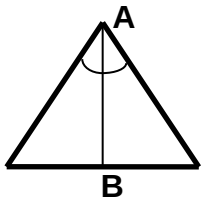
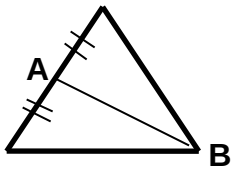
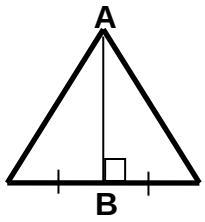
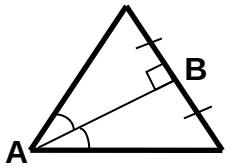
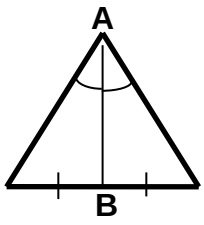
NAME_____**DATE**_____**PER.**_____

SPECIAL SEGMENTS IN TRIANGLES

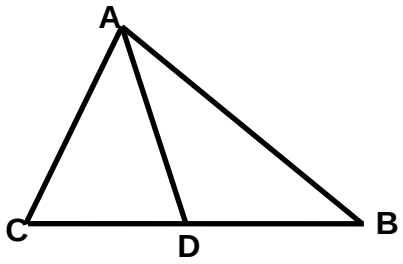
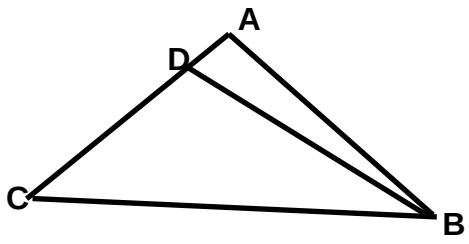
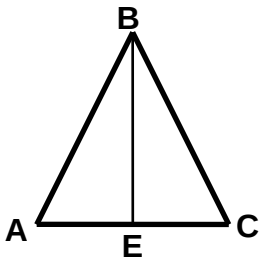
Based on the markings below, tell whether $\overline{AB}$ in each triangle is a:

A. Altitude **B. Median** **C. Neither**

List all that apply.

_____1.	
_____2.	
_____3.	
_____4.	
_____5.	
_____6.	

Find the indicated values.

7. BD = _____ CD = _____ AC = _____	$\overline{AD}$ is a median in ΔABC, if BD = 5x - 8, CD = 3x + 12, and AC = 7x -14. Find the length of all three segments. 
8. x = _____	$\overline{BD}$ is an altitude in ΔABC, find the value of 'x' if $m\angle ADB = (6x-18)°$. 
9. _____	Suppose $\overline{BE}$ is an altitude and $m\angle A = 60°$. Find $m\angle ABE$. 
10. EC = _____	Suppose $\overline{BE}$ and $\overline{CD}$ are medians. If AD = 3x + 4, AE = 7x - 2 and BD = 2x + 6, then find EC.