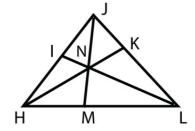
Name :			
Score :	Date :	MATH	

Medians and Altitudes of a Triangle Worksheet

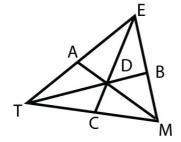
Fill in the blanks to complete each definition.

- A median of a triangle is a segment whose endpoints are a vertex of the triangle and the _____ of the opposite side.
- 2 An altitude of a triangle is a ______ segment from a vertex to the line containing the opposite side.
- Given, I,K and M are midpoints of the sides of Δ HJL (a) If JM=18, Find JN and NM

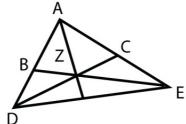
(b) If HN=14, Find NK and HK



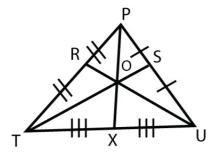
In the given diagram of ΔTEM, medians $\overline{\text{TB}}$, $\overline{\text{EC}}$, and $\overline{\text{MA}}$ intersect at D, and TB=9. Find the length of $\overline{\text{TD}}$.



Given the point Z is the centroid of \triangle ADE and DZ=20. What is the length of segment ZC?



6 Given that \overline{PX} , \overline{RU} and \overline{ST} are medians of ΔΡΤU



Given TS = 21 and OX = 5

Find , TO = _____

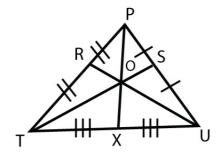
SO = _____

XP = _____

OP = _____

Name :		
	Date :	MATH MONK
M	edians and Altitudes of a Triangle Worksheet	
Answers		
A median of a trian midpoint of the	ngle is a segment whose endpoints are a vertex of the triangle and e opposite side.	d the
2 An altitude of a tria opposite side.	angle is a <u>perpendicular</u> segment from a vertex to the line conta	ining the
Given, I,K and M are (a) If JM=18, Find JN JN = 12, NM = 6 (b) If HN=14, Find NK = 7, HK = 21		Ĺ
4 In the given diagra	Im of $\triangle TEM$, medians \overline{TB} , \overline{EC} , and \overline{MA} intersect at D, and $TB=9$. Find the	e length of TD.
5 Given the point Z is	s the centroid of $\triangle ADE$ and $DZ=20$. What is the length of segment ZC	:?
	D 10	

6 Given that \overline{PX} , \overline{RU} and \overline{ST} are medians of ΔPTU



Given TS = 21 and OX =5

Find,
$$TO = \underline{14}$$

$$SO = \underline{7}$$

$$XP = \underline{15}$$

$$OP = \underline{10}$$