Name		Date	Class
LESSON Practice	В		
5-3 Medians a	nd Altitudes of Ti	riangles	
Use the figure for Exer Find each length.	cises 1–4. $GB = 12\frac{2}{3}$ ar	nd <i>CD</i> = 10.	A A
1. FG	<b>2.</b> BF		F D M
<b>3.</b> GD	<b>4</b> . CG		C H E H B
-	d to the compass face Find the coordinates	$\mathcal{H}_{(1, 5.7)}$ $\mathcal{H}_{(0, 0)}$ $\mathcal{E}_{(2, 0)}$ $\mathcal{S}_{1}$	(,)
<b>6.</b> <i>X</i> (-5, 4), <i>Y</i> (2, -3),	<i>Z</i> (1, 4)	<b>7.</b> <i>A</i> (0, −1), <i>B</i> (2, −	-3), <i>C</i> (4, -1)
(,	_)	(,	)
Use the figure for Exer medians of $\triangle HIJ$ .	cises 8 and 9. HL, M, a	and $\overline{JK}$ are	к
8. Find the area of the	triangle.	н.	
•	e triangle is 49 meters, t What kind of a triangle is		2.5 m M J
10. Two medians of a tri	angle were cut apart at t	he centroid to make	the four

segments shown below. Use what you know about the Centroid Theorem to reconstruct the original triangle from the four segments shown. Measure the side lengths of your triangle to check that you constructed medians.

(*Note:* There are many possible answers.)

 $\frac{1}{2}y$ 

2x

Х

у