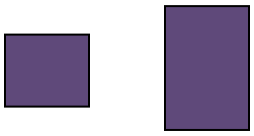
Name _____ Date _____

Quiz: Similarity

Are the following figures are similar?					
1		Yes ☐ No ☐	2		Yes ☐ No ☐

Answer the following questions dealing with similar figures.					
3	The sides of a triangle are 6,16 and 20. Find the length of the longest side of a similar triangle whose shortest side is 14.		5	ΔPQR ~ ΔLMN, PQ=4, QR=9, MN=10. Find LM?	
5	At a certain time of the day, the shadow of a 18' boy is 28' long. The shadow of a tree at this same time is 32' long.How tall is the tree?		6	Two sticks are leaned against a wall making same angle with the ground. The 32' stick reaches 42' up the wall.How much further up the wall does the 8' stick reach?	
7	The sides of a triangle are 8,15 and 18. Find the length of the longest side of a similar triangle whose shortest side is 19.		8	ΔPQR ~ ΔLMN, PQ=9, QR=15, MN=7. Find LM?	
9	At a certain time of the day, the shadow of a 14' boy is 24' long. The shadow of a tree at this same time is 30' long.How tall is the tree?		10	Two sticks are leaned against a wall making same angle with the ground. The 48' stick reaches 64' up the wall.How much further up the wall does the 14' stick reach?	

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

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