Name _____ Date _____

Quiz: Compound Locus

1	What is the number of points in a plane, 5 units from a given line and 7 units from a given point on the line?
2	Two points X and T are 15 units apart. How many points are there that are equidistant from both X and T and also 6 units from X?
3	Parallel lines r and w are 14 feet apart, and L is a point on line r. How many points are equidistant from r and w and also 7 feet apart from L?
4	A given point V is 12 units from a given line. How many points are there that are 5 units from the line and 3 units from point V?
5	Two points A and C are 6 units apart. How many points are 20 units from A and also 3 units from C?
6	Parallel lines f and t are 24 feet apart, and A is a point on line f. How many points are equidistant from g and y and also 12 feet apart from A?
7	What is the number of points in a plane, 8 units from a given line and 9 units from a given point on the line?
8	Find the locus of points 4 units from the y-axis and write the equation for this locus.
9	Find the locus of points 6 units from the origin and write the equation for this locus.
10	How many points that satisfy both conditions stated in problems 7 and 12?

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%