

Quiz: Equidistant from Two Points

1.	Two buildings are 4 yards apart. A garden is to be made such that the distance from any point on the garden to each building is always the same distance. Describe where the garden should be dug.
2.	The locus of points equidistant from the points (4, -6) and (4, 7) is a line whose equation is $y = 0$ .
3.	What is the equation of the locus of points equidistant from the points (2, 6) and (12, 6)?
4.	Two houses are 80 feet apart. A line is to be drawn such that the distance from any point on the line to each house is always the same distance. Describe where the line should be drawn.
5.	What is the equation of the locus of points equidistant from the points (-2, -5) and (-2, 3)?
6.	There are two tables in a room. Ryan walks so that he is always equidistant from both tables. Describe his path.
7.	The locus of points equidistant from the points (-1, -3) and (-1, 1) is a line whose equation is $y = -1$ .
8.	What is the equation of the locus of points equidistant from the points (-5, 6) and (-9, 6)?
9.	There are two cars on a street. Richard walks so that he is always equidistant from both cars. Describe his path.
10.	What is the equation of the locus of points equidistant from the points (-3, 1) and (-13, 1)?

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%