

Quiz: Locus at a Fixed Distance

1.	What is the equation of the locus of points 9 units away from the x-axis?
2.	A street is 325 feet long and 100 feet wide. It is planned to paint it 80 feet from the center of the driveway. Describe where it will be painted.
3.	Describe the locus of points 16 units from the line $y = -8$ .
4.	What is the equation of the locus of points 5 units away from the x-axis?
5.	Describe the locus of points 10 units from the line $y = 4$ .
6.	What is the equation of the locus of points 12 units away from the y-axis?
7.	Describe the locus of points 22 units from the line $y = 4$ .
8.	A straight driveway is 50 m long and 18 m wide. Billy is planning to plant flowers 17 m from the center of the driveway. Describe where the flowers will be planted.
9.	The locus of points equidistant from the line $x = 7$ could be two lines whose equations are $x = 4$ and $x = 15$ .
10.	The locus of points equidistant from the line $x = 3$ could be two lines whose equations are $x = 0$ and $x = 6$ .

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%