Locus in the Coordinate Plane

Example:

Draw and write the equation of the locus of points 4 units from the line whose equation is y = 2.





Example:

Draw and write the equation of the locus of points equidistant from the lines whose equations are y = 4and y = -2.



Try:

Draw and write the equation of the locus of points equidistant from the lines whose equations are x = -6

X=-6 4 x=4



Try:

Draw and write the equation of the locus of points 5

Example:

Draw and write the equation of the locus of points 4 units from the point (6, -7).



Try:

Draw and write the equation of the locus of points 2 units from the point (5, 0)



 $(X-5)^{2} + y^{2} = 4$

Example:

Draw and write the equation of the locus of points equidistant from the x-axis and y-axis.



y=x d y=-x

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