

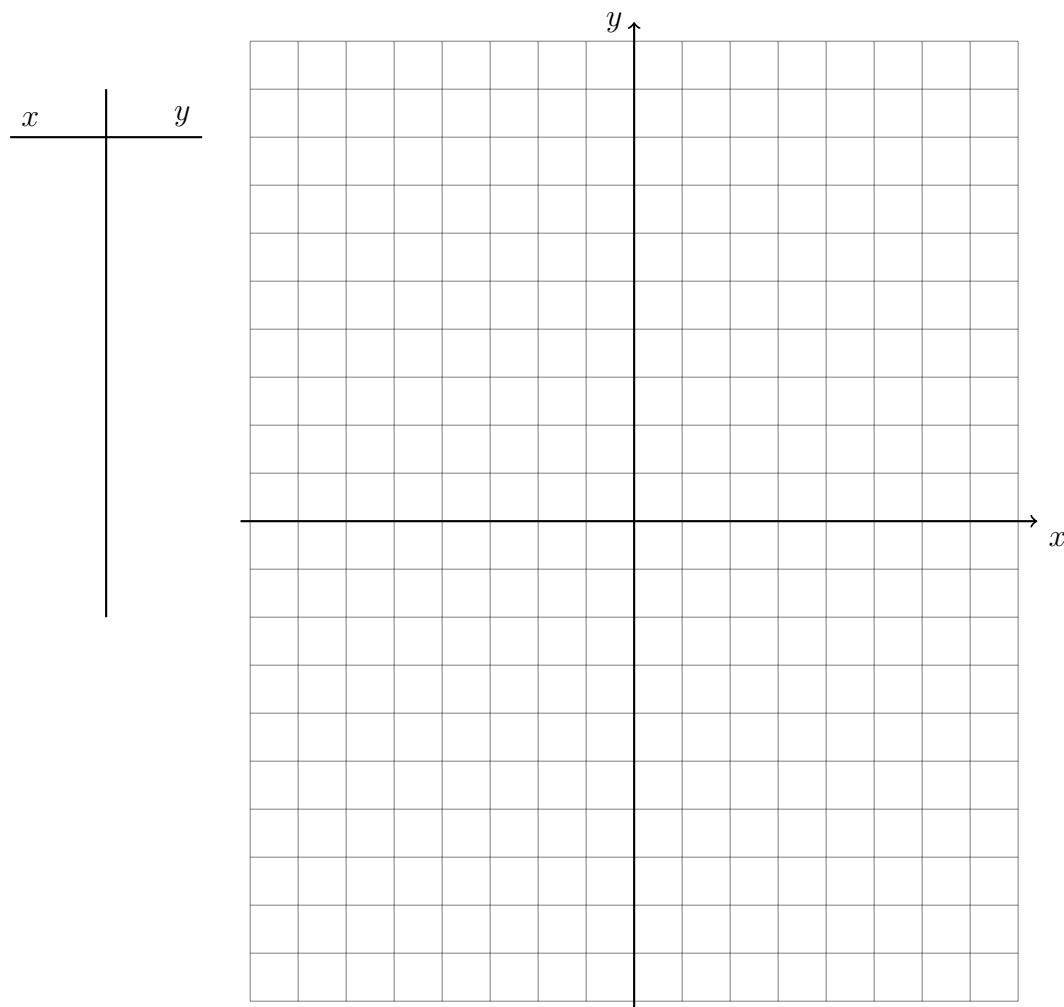
Name:

Homework: Distance on the coordinate plane

1. Complete the t-chart for $x = -5, -4, -3, 0, 3, 4, 5$, then graph points on the grid below.
Use pencil for graphs.

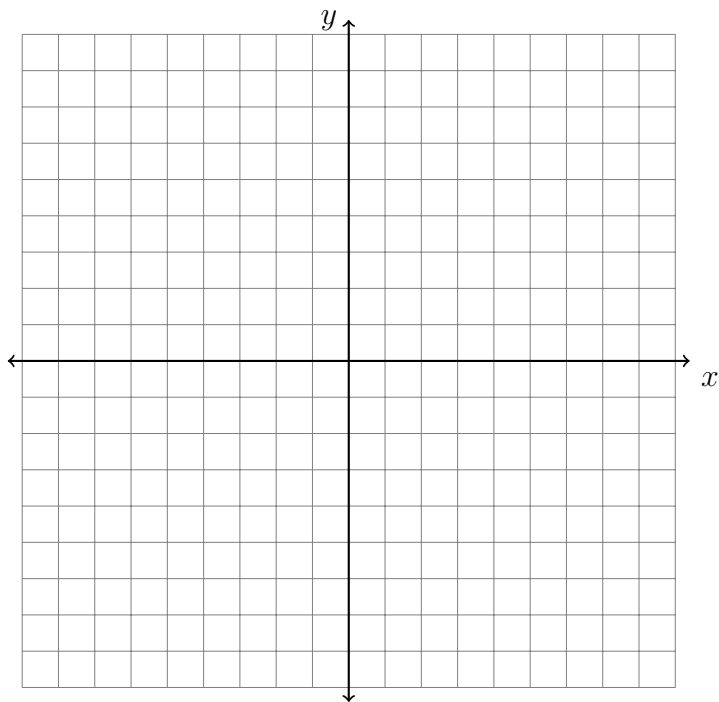
$$y = \sqrt{25 - x^2}$$

What is the shape of a smooth curve through the points?



- (a) Draw \overline{OA} with $O(0,0)$ and $A(-3,4)$
- (b) What is the length of \overline{OA} ?

2. On the set of axes below, graph the quadrilateral $ABCD$ having coordinates $A(-3, -3)$, $B(5, 1)$, $C(6, 8)$, and $D(-2, 4)$.



Find the length of each side of the quadrilateral.