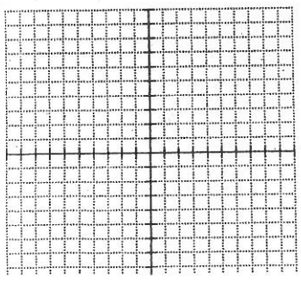
T-charts WS By: _____

A t-chart is a way to organize a collection of points that are solutions to an equation. Solutions to equations are points on the graph of that equation. A T-chart can help you determine the shape of a graph…the more points in your chart, the more accurate and detailed your graph is. Each type of equation has different short cuts to graph, but a T-chart can always help.

#1-9, graph each equation using a T-chart .

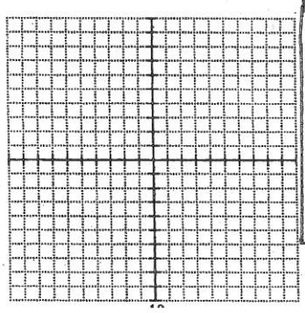
1. $y = 3x - 2$

x	y
-3	
-2	
-1	
0	
1	
2	
3	



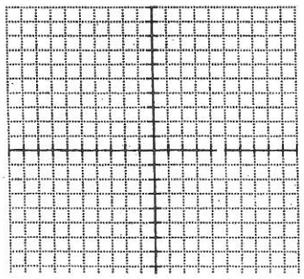
2. $y = |x - 1| + 2$

x	y
-3	
-2	
-1	
0	
1	
2	
3	



3. $y = x^3 + 1$

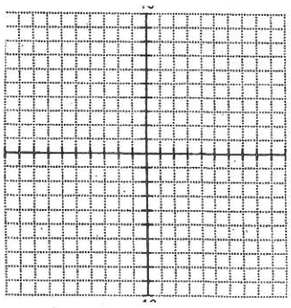
x	y
-3	
-2	
-1	
0	
1	
2	
3	



— **You choose the x-values.** (5) is a good amount.

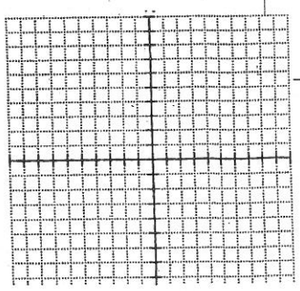
4. $y = x$

x	y



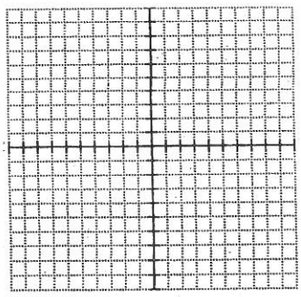
5. $y = -\frac{1}{2}x + 5$

x	y



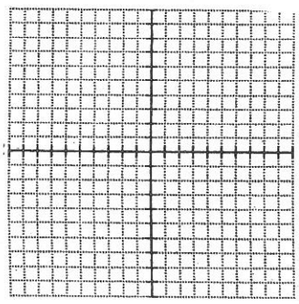
6. $y = 2x^2 + 3$

x	y



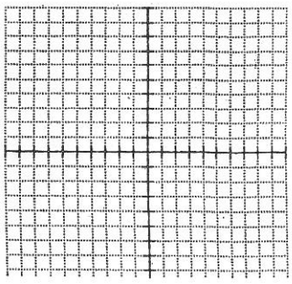
7. $y = 10|x + 1|$

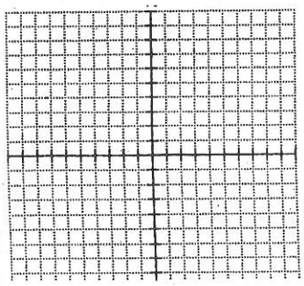
x	y



8. $y = (x+1)^2 + 3$

x	y



9. $y = \frac{2}{3}x - 2$

x	y