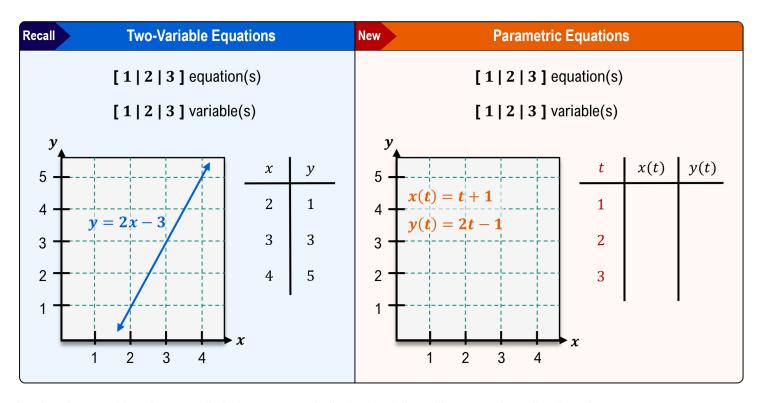
TOPIC: GRAPHING PARAMETRIC EQUATIONS

Introduction to Parametric Equations

- ullet Parametric Equations express *two* variables (x & y) in terms of a _____ (usually t), called the parameter.
 - To graph, make a table of values with ____, x, & y.

EXAMPLE

Graph the equations.



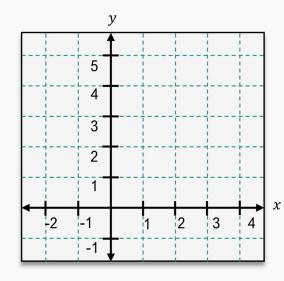
◆ Graphs of parametric eq'ns are called **plane curves**. Indicate orientation with arrows along direction of ____ t.

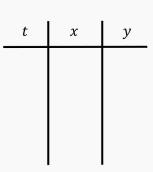
TOPIC: GRAPHING PARAMETRIC EQUATIONS

PRACTICE

Graph the plane curve formed by the parametric equations and indicate its orientation.

$$x(t) = -t + 1; y(t) = t2$$
$$-2 \le t \le 2$$





PRACTICE

Graph the plane curve formed by the parametric equations and indicate its orientation.

$$x(t) = 2t - 1; \qquad y(t) = 2\sqrt{t}$$

