

DEMO DATA FORM

1. Enter the parametric equations of your desired graph below.

$$x(t) = \boxed{\phantom{\text{expression}}}$$

$$y(t) = \boxed{\phantom{\text{expression}}}$$

2. Enter the beginning value for t:

Enter the ending value for t:

In MATLAB enter an interval.

3. In the Excel and LiveMath versions, enter the parameter of the desired movement, if any:

In MATLAB click the CONTINUE button after data is entered.

4. Enter the desired values for the matrix $M = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$ (as functions of the parameter, if appropriate.)

$$a = \boxed{\phantom{\text{expression}}}$$

$$b = \boxed{\phantom{\text{expression}}}$$

$$c = \boxed{\phantom{\text{expression}}}$$

$$d = \boxed{\phantom{\text{expression}}}$$

In MATLAB click the CONTINUE button after data is entered. Follow the screen directions for using translations.

5. Following on screen directions, the graph of the original figure $(x(t), y(t))$ will be plotted in **blue** and the graph of the final image in **red**. Use the following box to sketch the display.

