THE MYMATHLAB GRAPHING TOOL

Some exercises in the Homework or Study Plan require the use of a graphing tool to enter graphical answers. Using this tool, students can plot points, lines, absolute value functions, parabolas, circles, 3-point quadratic functions, 4-point cubic functions, and transformation graphs (including sine, cosine, exponential, and logarithmic functions).

The screenshot below shows you how the graphing tool is integrated into a question. Students can enter the graph directly on the grid on the right of the window, or click the button with the magnifying glass (in the exercise area or at the top right of the graph) to open the graph window which can be enlarged to allow a better view of the graph. Students use the tool palette below the grid to draw the desired points or graphs.
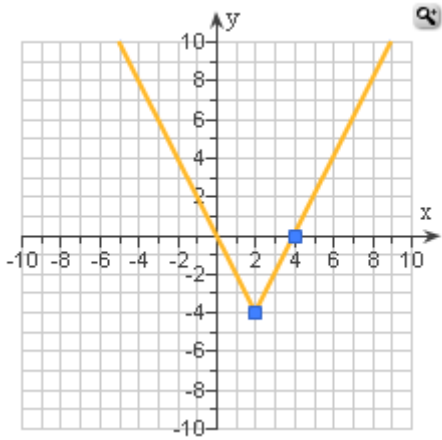

The table below shows you an example of each type of graph students can plot. For details and complete directions, refer to the [Graphing Tool pages](#) in the Student Help file, or click the question-mark icon in the tool palette:
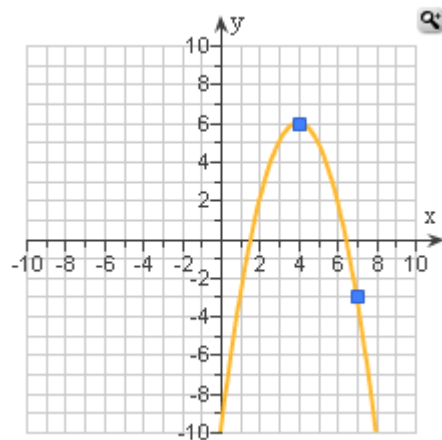
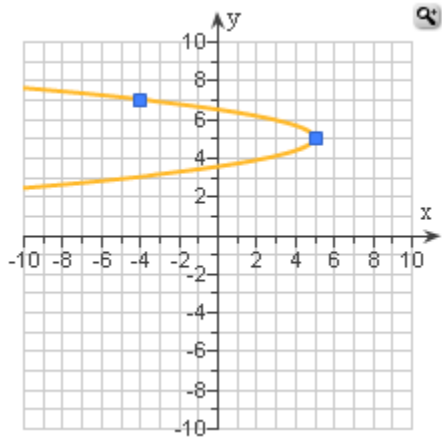| Point	Line

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Absolute Value Function	Vertical Parabola

Horizontal Parabola	Circle
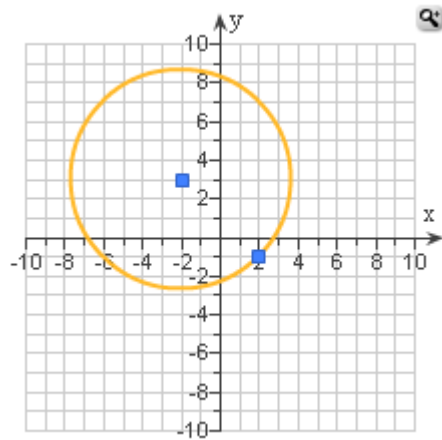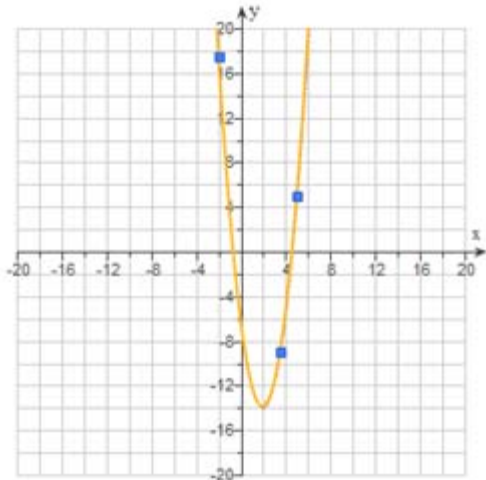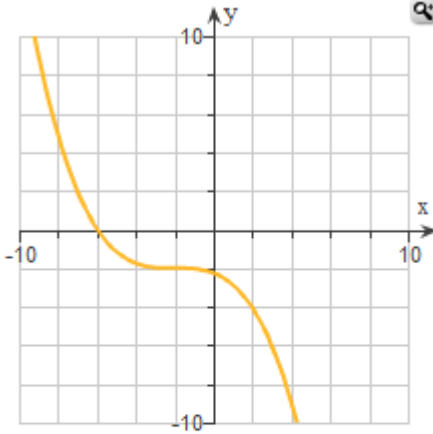
3-point Quadratic Function	4-point Cubic Function
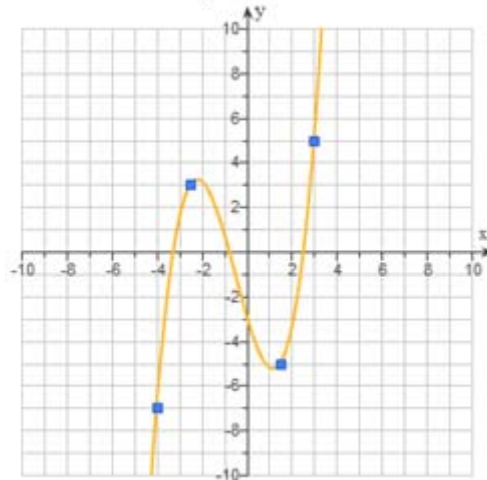
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Transformation Power Function	Transformation Trigonometric Function

Transformation Power Function

Vertical Stretch: .5
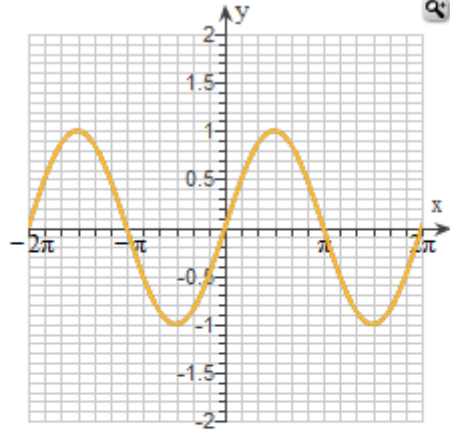Horizontal Stretch: 0.4

Vertical Shift
Horizontal Shift

☑ Reflect over x...   ☐ Reflect over y...

Transformation Trigonometric Function

Amplitude
0   1   2

Period
0   2π   4π

Vertical Shift
-2   -1   0   1   2

Phase Shift
-π   0   π