Algebra 2

5-03 Graphing Radical Equations



The function $E(d) = 0.25\sqrt{d}$ approximates the number of seconds it takes a dropped object to fall *d* feet on Earth. The function $J(d) = 0.63 \cdot E(d)$ approximates the number of seconds it takes a dropped object to fall *d* feet on Jupiter. How long does it take a dropped object to fall 81 feet on Jupiter?

Let the graph of g be a horizontal stretch by a factor of 3, followed by a translation 6 units right of the graph of $f(x) = \sqrt[3]{x}$	
Write a rule for <i>g</i> .	

Graphing horizontal parabolas and circles

- 1. _____ the equation for *y*.
- 2. Create a _____.
- 3. _____ the points and _____ graph.

Graph $-\frac{1}{5}y^2 = x$. Identify the vertex and the direction that the parabola opens.

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