Practice Problems Name_____

Graphing Functions--- Class_____

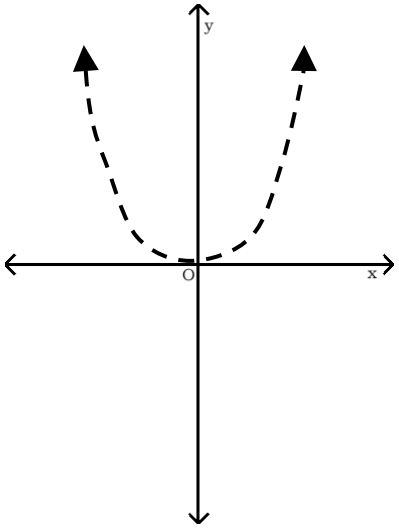
Without a Calculator

Instructions:

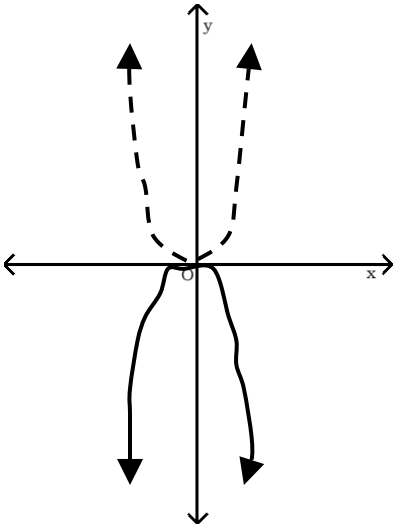
Sketch the graph of the following without a calculator. Remember these are sketches---not exact, but should show basic characteristics

ex) $y = -x^4$

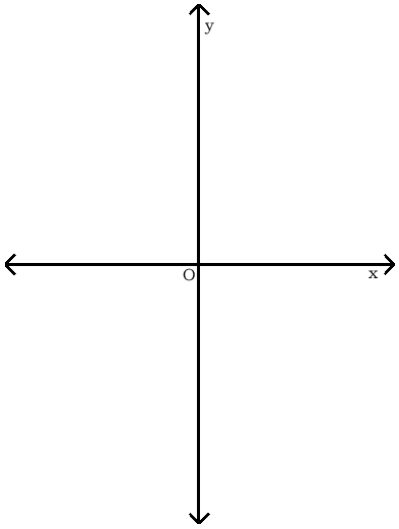
Step 1
Decide the basic shape— x^2 parabola. Use a dotted line for pre-answer

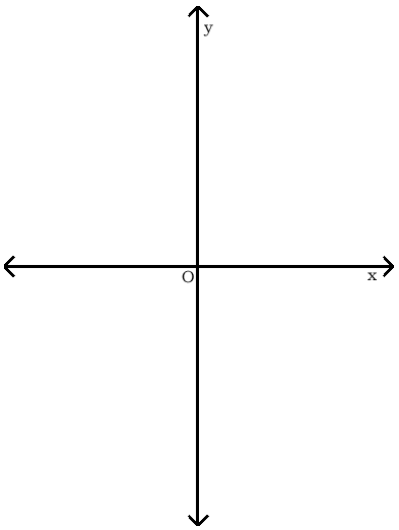


Step 2
Narrow and Refection. Use a solid line for final answer

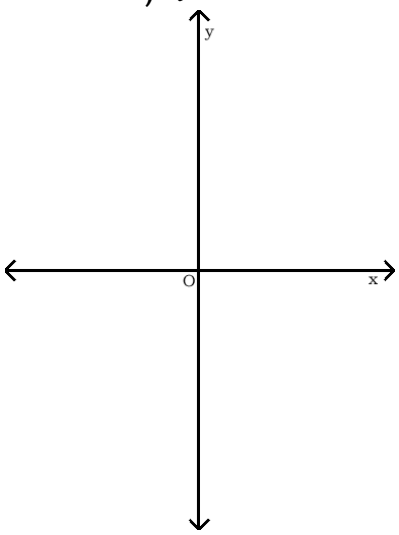


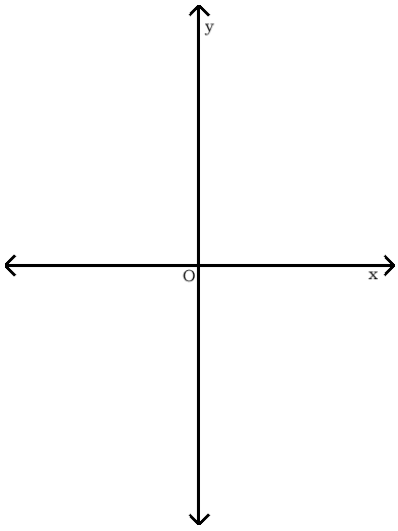
1.) $y = -|x|$



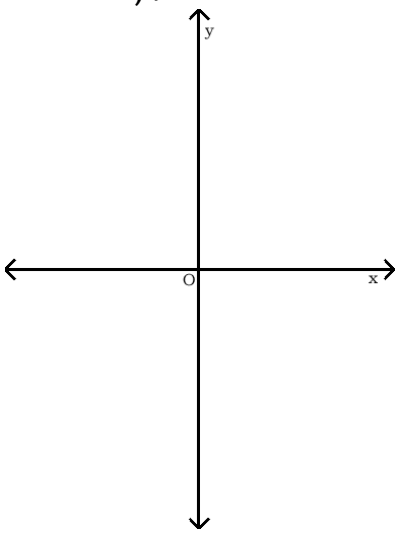


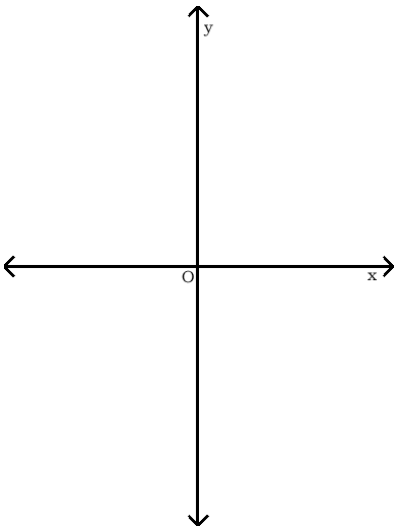
2.) $y = x^5$



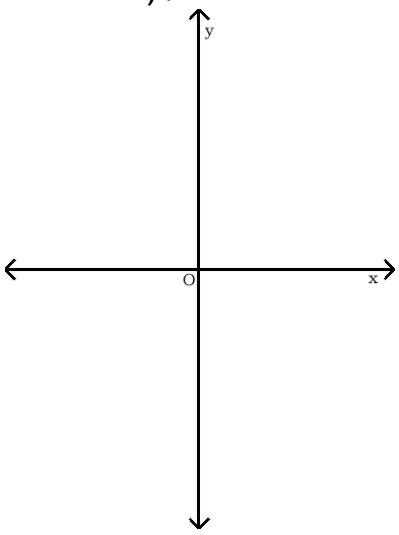


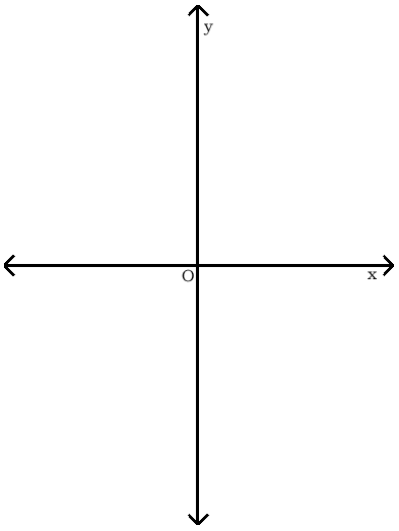
3.) $y = x + 1$



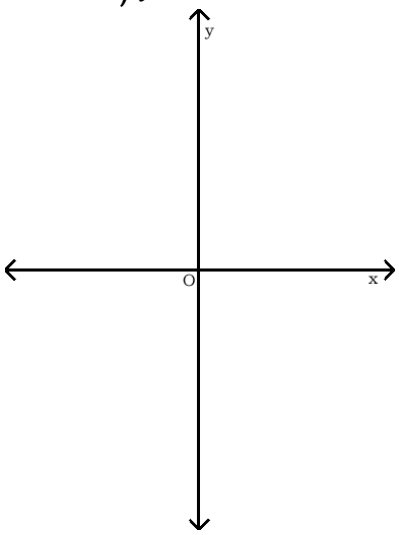


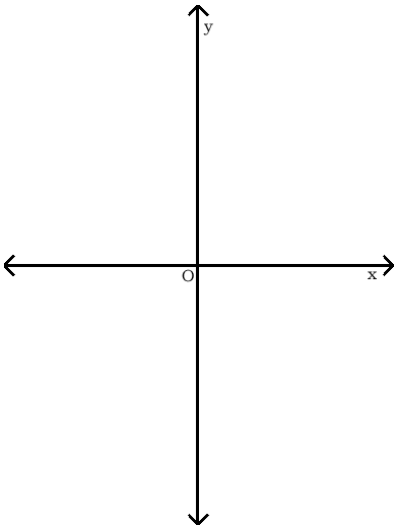
4.) $y = -x$



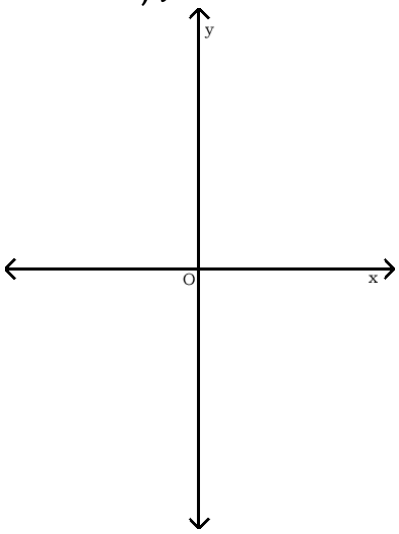


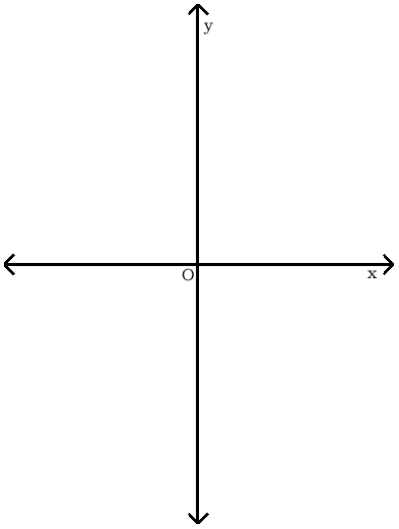
5.) $y = 2x - 3$



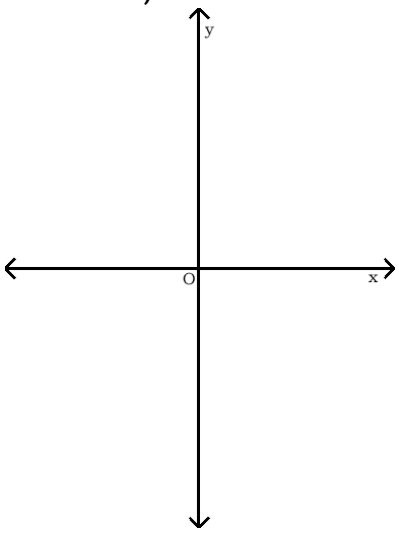


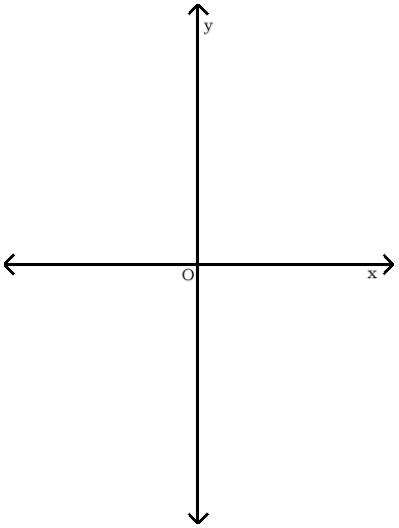
6.) $y = -x^3$



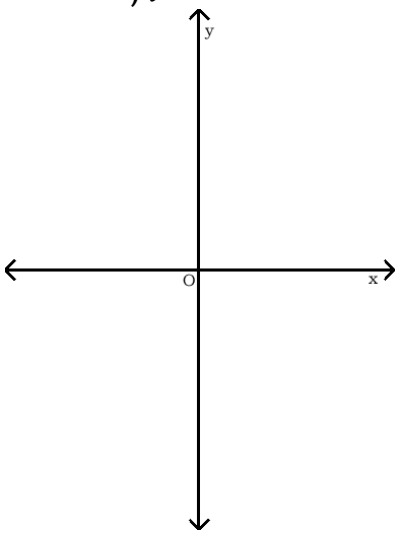


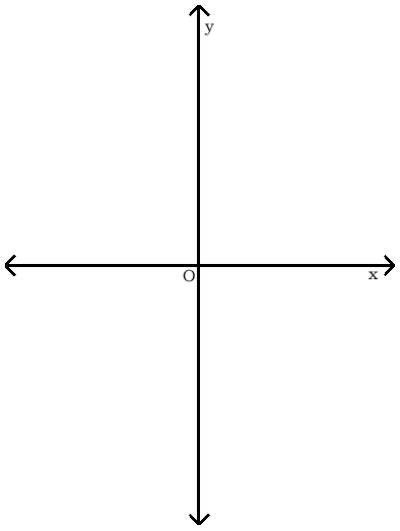
7.) $y = \sqrt{x}$



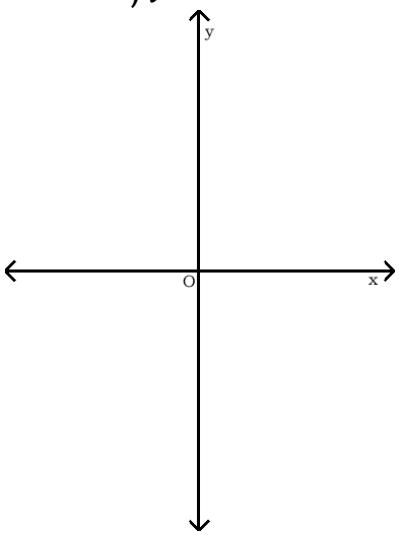


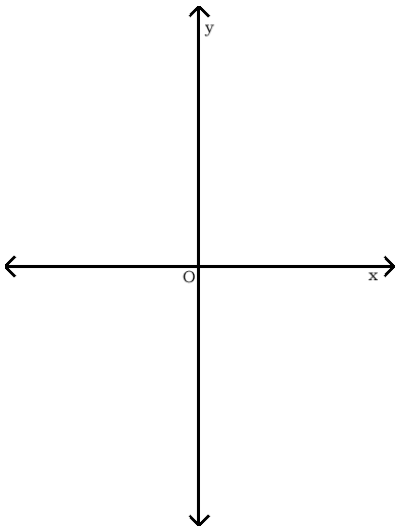
8.) $y = -\sqrt{x}$





9.) $y = -\sqrt[3]{x}$





10.) $y = x^4$