Name: _____   Date: _____
PC: Vertical and Horizontal Stretches and Shrinks HW   Ms. Loughran

For 1-6, sketch each function on a separate piece of graph paper, including a minimum of 3 points. Then state the domain, range and coordinates of x and y intercepts.

1. $f(x)=2(x+1)^2 -3$

2. $f(x)=-2(x-1)^3 +1$

3. $f(x)=\left|\dfrac{1}{2}x\right|+2$

4. $f(x)=\left(\dfrac{1}{3}x\right)^4 +1$

5. $f(x)=2\sqrt{x}$

6. $f(x)=\sqrt{2x}$