



Part One: List the transformation of each function from left to right. **Sketch** a drawing of each.

1. $f(x) = -2|-(x + 4)| - 2$

2. $g(x) = \frac{1}{2}(3(x - 1))^2 + 2$

3. $h(x) = -\frac{2}{3}\sqrt{-\frac{2}{3}(x + 1)} + 1$

4. $t(x) = 3(2x + 4)^3 - 1$

5. $f(x) = -\frac{4}{5}\left|-\frac{1}{4}x + 2\right| - 3$

Part Two: Use your sketches to help determine the Domain and Range from each function.