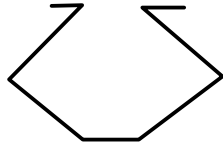


1. Write two examples of each of the following kinds of function.

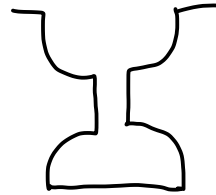
- (a) linear
- (b) quadratic
- (c) absolute value
- (d) polynomial

2. Sketch calibration functions for the following bottles:

(a)



(b)



3. Sketch  $f(g(x))$  and  $g(f(x))$  where  $f(x) = x^2 - 3$  and  $g(x) = x^2 - x - 2$ .