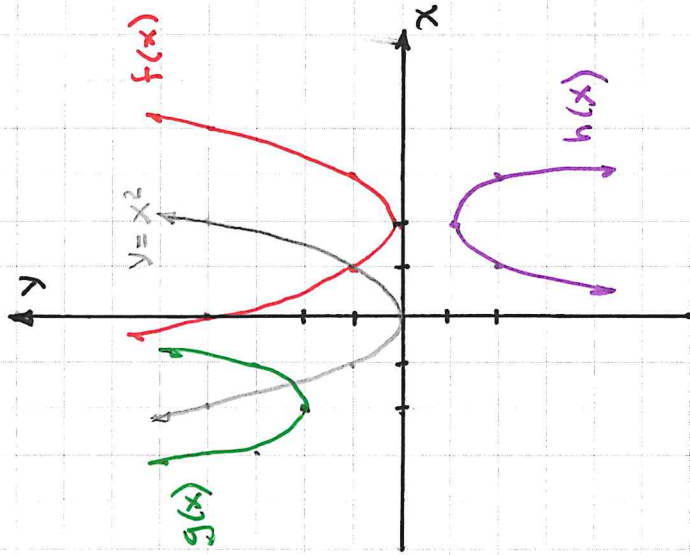


Math 27, HW #7 Selected Problems

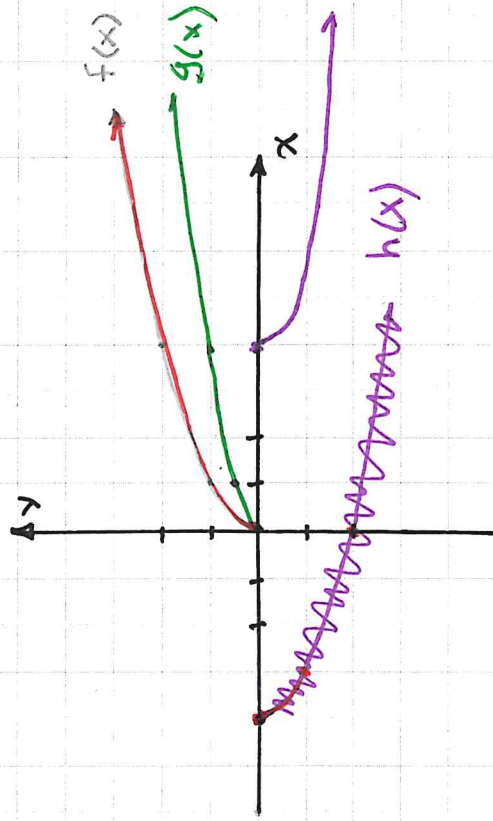
Pg. 47, #10

- $f(x) = (x-2)^2$
- $g(x) = (x+2)^2 + 2$
- $h(x) = -(x-2)^2 - 1$



Pg. 47, #16

- $f(x) = \sqrt{x}$
- $g(x) = \frac{1}{2}\sqrt{x}$
- $h(x) = -\sqrt{x+4}$  ↻ ⊖



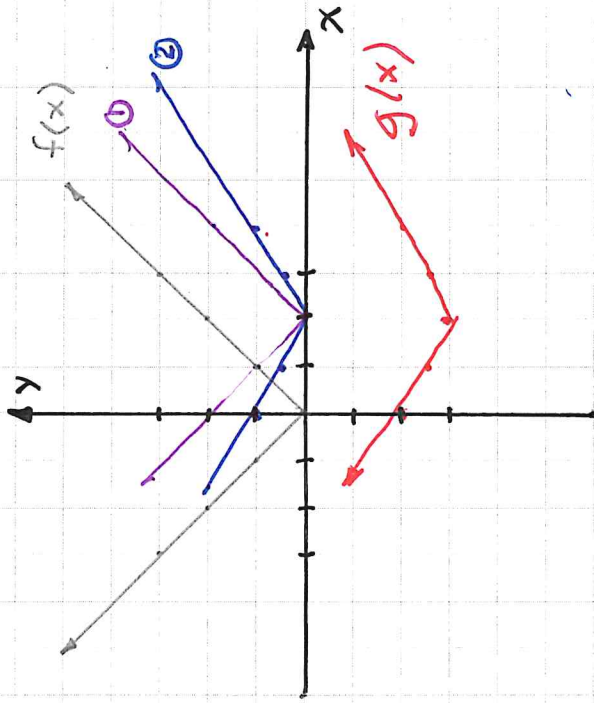
Pg. 48, #62  $g(x) = \frac{1}{2}|x-2| - 3$

a)  $f(x) = |x|$

- b) ① HS 2 →  
 ② Vshrink  $c = 1/2$

- ③ VS 3 ↓

d)  $g(x) = \frac{1}{2}f(x-2) - 3$



Pg. 49, #78  $y = f(x+2) - 1$

HS · 2 ← ; VS 1 ↓

- So  $(0, 1) \rightarrow (-2, 0)$   
 $(1, 2) \rightarrow (-1, 1)$   
 $(2, 3) \rightarrow (0, 2)$