

1. (a)  $h(-2) = 1; h(0) = -1; h(2) = 3; h(3) = 4.$   
(b) Domain:  $[-3, 4].$  Range:  $[-1, 4].$
3. (a)  $f(0) = 3 > \frac{1}{2} = g(0).$  So  $f(0)$  is larger.  
(b)  $f(-3) \approx -\frac{3}{2} < 2 = g(-3).$  So  $g(-3)$  is larger.  
(c) For  $x = -2$  and  $x = 2.$