Math 1050 PRACTICE Quiz (1.6-3.3)



5. Find the difference quotient $DQ = \frac{f(x+h)-f(x)}{h}$ for both of the following functions below. ONLY simplify ONE of your choosing. a) $f(x) = \sqrt{x - 7}$ b) $f(x) = \frac{1}{x+5}$ 6. Determine algebraically whether the function 7. Identify the increasing and decreasing is even, odd, or neither. intervals on the graph below: $g(x) = \frac{x^3}{x^2 + 1}$ 3 (2, 2) (-2.3, 0) (-2, 1) (0, 1) (3, 0) (-3, -2)