

MTH 234 Quiz 1 - 1.1, 1.2, 2.1

1. Is the following function even, odd, or neither? Show your work.(**2 points.**)

$$f(x) = 2x^3 + 5x$$

2. Find the domain of the following functions.(**2 points each.**)

a) $f(x) = \sqrt{-5x + 7}$ b) $g(x) = \frac{2}{x^2 - 4}$

3. Decide if each of following graphs represents a function or not? Please give a very clear justification to your answer.(**2 points each.**)



