

7.1 to 7.4 review

- Answers will vary
- function
 - relation
 - relation
 - function
- a relation for $x=8$ there are 2 different outputs
 - function, for each x there is only 1 y
 - function, for each x there is only 1 y
 - a relation for $x=4$ & 1 there are 2 different outputs
 - function for each x , there is only 1 y , it passes the vertical line test
- | | | | | | |
|----|---|----|--|----|--|
| a. | $D: \{-3, -2, 4, 8\}$ $R: \{2, 3, 4, 9\}$ | b. | $D: \{-9, -6, 5, 3, 8\}$ $R: \{2, 3, 7\}$ | c. | $D: \{0, 1, 2, 3, 4, 5\}$ $R: \{12, 22, 32, 42, 52, 62\}$ |
| d. | $D: \{0, 1, 4, \}$ $R: \{-2, -, 0, 1, 2\}$ | e. | $D: [-6, 5]$ $R: [-4, 7]$ | | |
- missing x values : 2, 6
missing y values: -13, 17
- non-linear, increasing at a faster and faster rate
 - non-linear, decreasing at a slower and slower rate
 - linear, decreasing at a constant rate
- Sara's dog, Chico was resting on the front lawn.answers will vary
- $f(6) = -3$
 - $f(-2) = \frac{23}{3}$
 - $x = \frac{21}{2}$
 - $g(1) = -7$
 - $g(0) = -5$
 - $g(-2) = 5$
- $f(-1) = 0$
 - $f(5) = -2$
 - $[1, 3]$
 - $(6, 7]$
 - $[0, 6]$