

## Algebra I (Lesson 5.1)

1.  $2x + y = 4$

Linear

x	y
-2	8
-1	6
0	4
1	2
2	0



3.  $\frac{a}{x} + \frac{y}{4} = \frac{3}{a}$

$2x^{-1} + \frac{1}{4}y = \frac{2}{a}$

Not Linear

5.  $x + y^2 = 1$

Not Linear

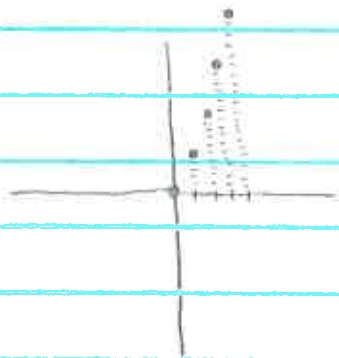
7. Discrete

9. Discrete

11. Continuous

13.  $f(x) = 5x$

x	y
0	0
1	5
2	10
3	15
4	20

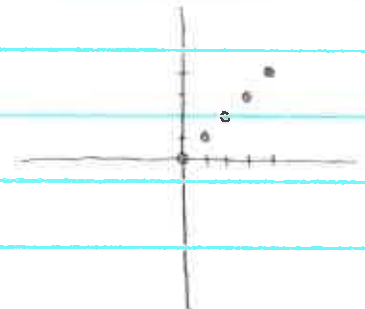


D:  $\{0, 1, 2, 3, 4, \dots\}$

R:  $\{0, 5, 10, 15, 20, \dots\}$

15.  $f(x) = 15x$

x	y
0	0
1	15
2	30
3	45
4	60



D:  $\{0, 1, 2, 3, 4, \dots\}$

R:  $\{0, 15, 30, 45, 60, \dots\}$