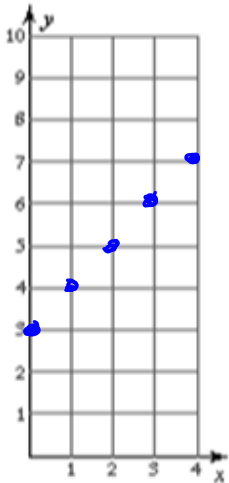


1.4 Practice Problems

Graph the function.

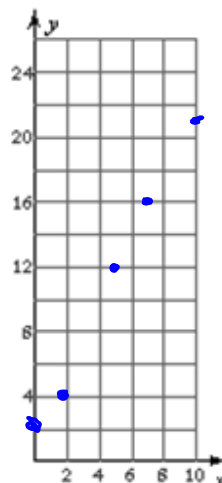
1) $y = x + 3$; domain: 0, 1, 2, 3, 4 and 5

x	0	1	2	3	4/5
y	3	4	5	6	7/8



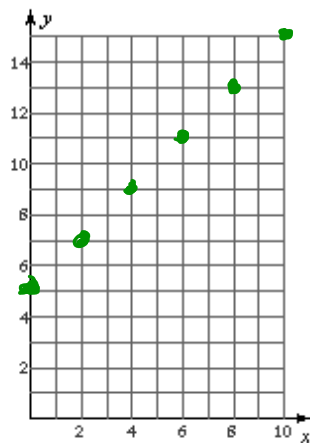
2) $y = 2x + 2$; domain: 0, 2, 5, 7 and 10

x	0	2	5	7	10
y	2	#6	12	16	22

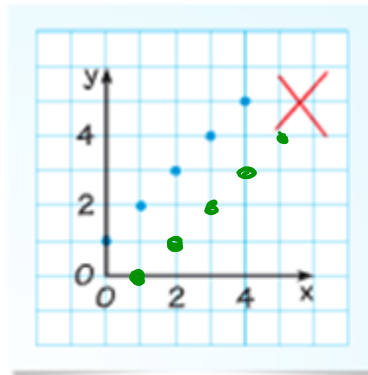


3) $y = x + 5$; domain: 0, 2, 4, 6, 8, 10

x	0	2	4	6	8/10
y	5	7	9	11	13/15



4) Describe and correct the error in graphing the function $y = x - 1$ with domain 1, 2, 3, 4, 5.

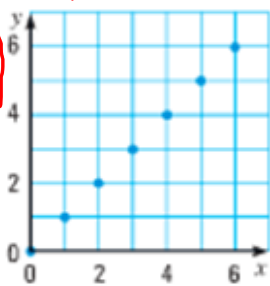


x	y
1	0
2	1
3	2
4	3
5	4

Write a rule for the function represented by the graph. Identify the domain and the range of the function.

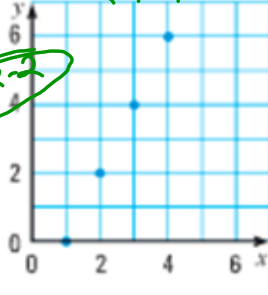
5) $D = \{0, 1, 2, 3, 4, 5, 6\}$
 $R = \{0, 1, 2, 3, 4, 5, 6\}$

$y = x$



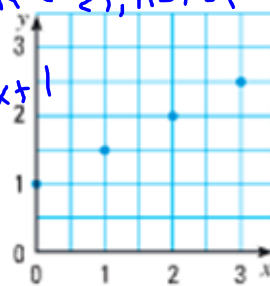
6) $D = \{1, 2, 3, 4\}$
 $R = \{0, 2, 4, 6\}$

$y = 2x - 2$



7) $D = \{0, 1, 2, 3\}$
 $R = \{1, 1.5, 2, 2.5\}$

$y = \frac{1}{2}x + 1$



8) MULTIPLE CHOICE: The graph of which function is shown?

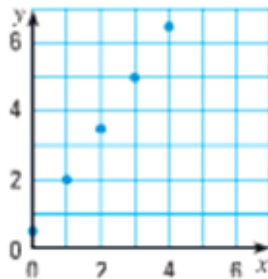
(A) $y = \frac{1}{2}x + \frac{1}{2}$

(B) $y = x + \frac{1}{2}$

(C) $y = \frac{3}{2}x + \frac{1}{2}$

(D) $y = 2x + \frac{1}{2}$

$D = \{0, 1, 2, 3, 4\}$
 $R = \{1, 2, 3\frac{1}{2}, 5, 6\frac{1}{2}\}$





Jun 6-7:16 AM