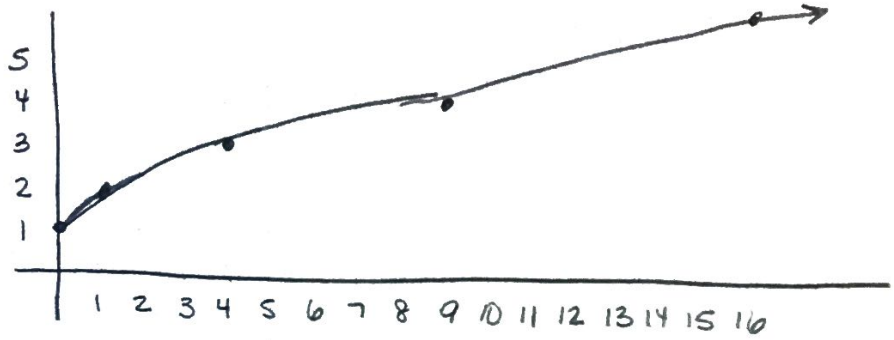
Book 6.8 #7, 14, 15, 17, 19, 20, 29, 32, 33, 36

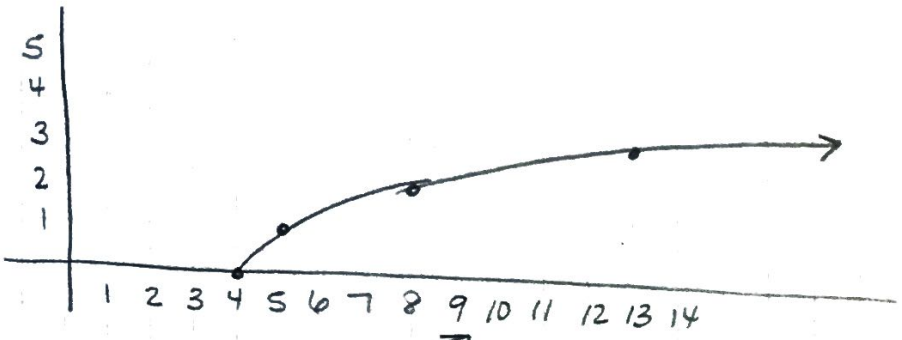
(7) $y = \sqrt{x} + 1$

x	y
0	1
1	2
4	3
9	4
16	5



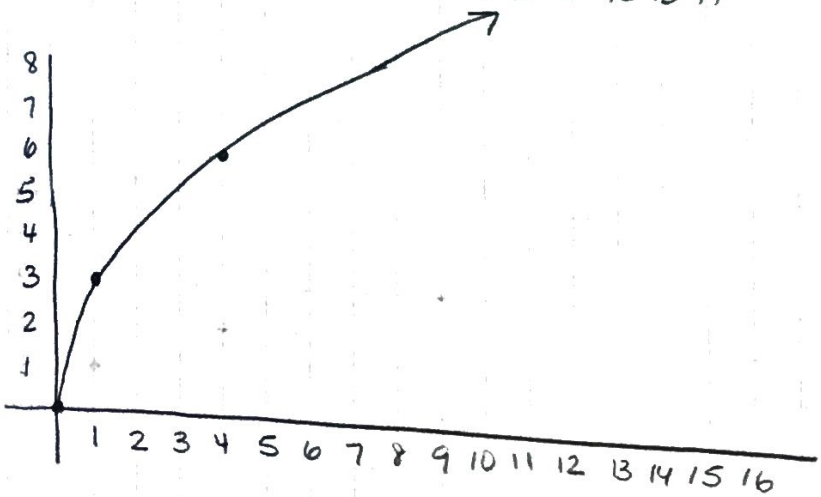
(14) $y = \sqrt{x - 4}$

x	y
4	0
5	1
8	2
13	3



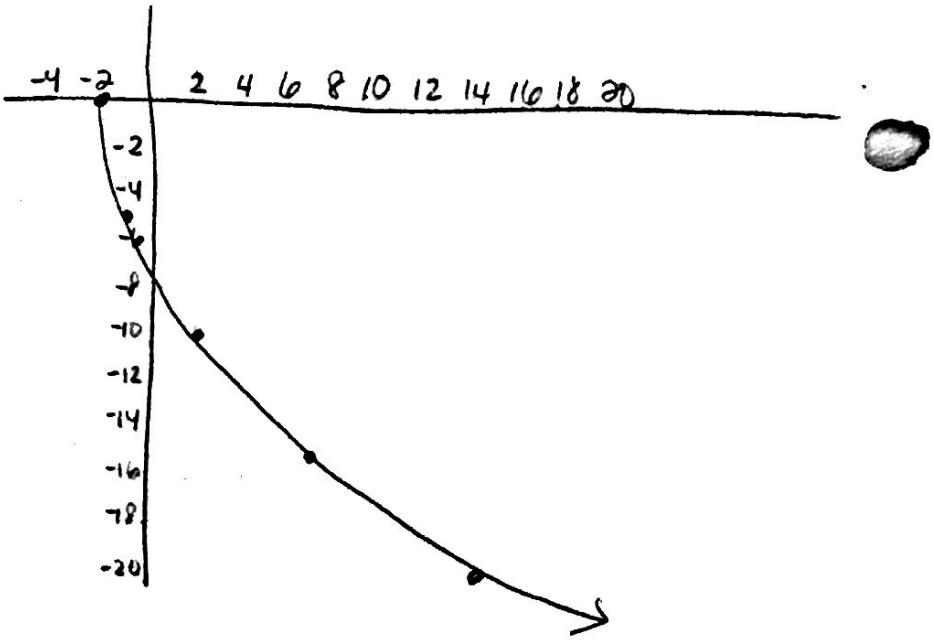
(15) $y = 3\sqrt{x}$

x	y
0	0
1	3
4	6
9	9
16	12



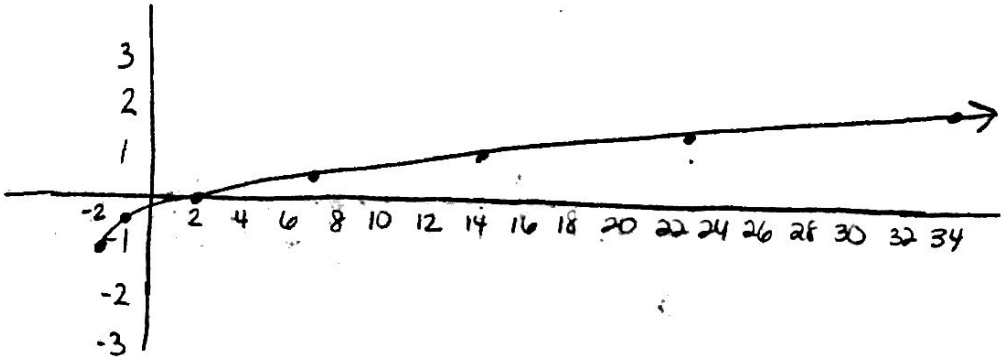
(17) $y = -5\sqrt{x+2}$

-2	0
-1	-5
2	-10
7	-15
14	-20



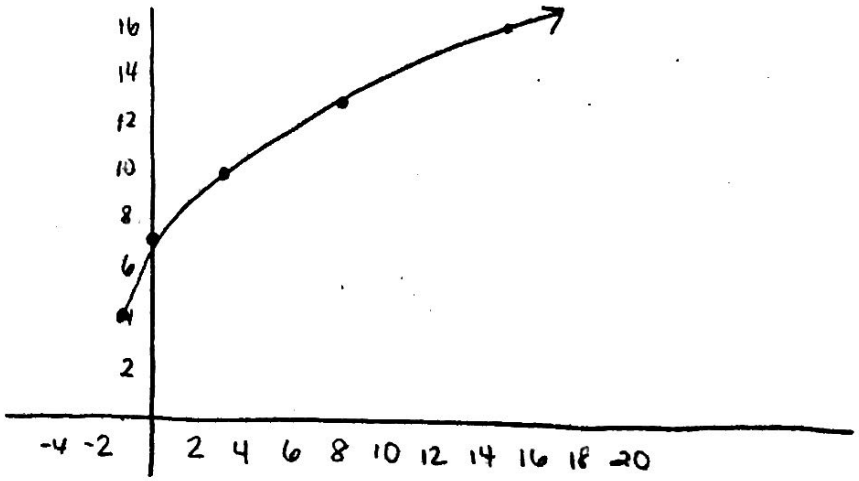
(19) $y = \frac{1}{2}\sqrt{x+2} - 1$

x	y
-2	-1
-1	-½
2	0
7	.5
14	1
23	1.5
34	2



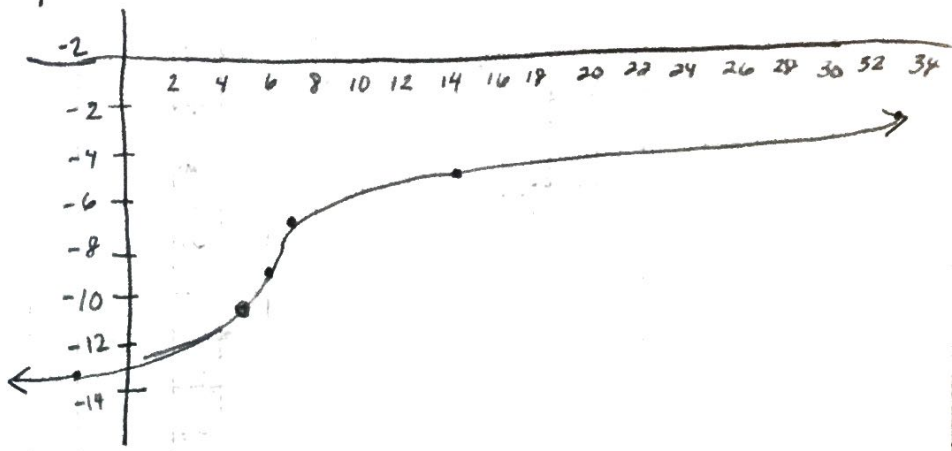
(20) $y = 3\sqrt{x+1} + 4$

x	x
-1	4
0	7
3	10
8	13
15	16



(29) $y = 2\sqrt[3]{x-6} - 9$

x	y
-2	-13
5	-11
6	-9
7	-7
14	-5
33	-3



(32) $y = -\sqrt{16x+32}$
$y = -\sqrt{16(x+2)}$
$y = -4\sqrt{x+2}$

translated 2 units to left

(33) $y = -2\sqrt{4x+16}$
$y = -2\sqrt{4(x+4)}$
$y = -2 \cdot 2\sqrt{(x+4)}$
$y = -4\sqrt{x+4}$

translated 4 units to left

(36) $y = \sqrt[3]{8x-24} + 1$
$y = \sqrt[3]{8(x-3)} + 1$
$y = 2\sqrt[3]{x-3} + 1$

translated 3 units to the right
1 unit up

$\sqrt{x}$

IBook 6.8 # 7, 14, 15, 17, 19, 20, 29, 32, 33, 36

$y = \sqrt{x}$

x	y
0	0
1	1
4	2
9	3
16	4

$y = \sqrt[3]{x}$

x	y
0	0
1	1
8	2
27	3
64	4
125	5

x	y
-8	-2
-1	-1
0	0
1	1
8	2
27	3