

Pg 372 (2-32 even)

4. $\frac{8}{13}$ and $-\frac{8}{13}$

10. none

18. -4

28. $2y^2$

32. $.08 \text{ mm}$

Pg 372 (39-54)

42. $\frac{1}{4}$

45. $12xy^2z^2 \sqrt{xz}$

48. k^3

54. x^3

Pg 377 (1-16)

3. -9

7. -6

12. $2a\sqrt[3]{4a^2}$

16. ~~XXXXXXXXXX~~ $2y\sqrt[4]{4x^3y^2}$

Pg 377 (17-22)

22. $-2x^2y\sqrt[3]{30x}$

Pg 377 (23-26)

25. $2x^2y^2\sqrt{2}$

Pg 377 (~~31~~²⁷ - 35)

28. $\frac{\sqrt{10}x}{4x}$

31. $\frac{\sqrt[4]{250}}{5}$

34. $\frac{x\sqrt{10}}{2y}$

Pg 382 (1-12)

3. cannot combine

6. $5\sqrt[3]{x^2}$

10. $5\sqrt[3]{2}$

12. $2^4\sqrt{2} + 2^4\sqrt{3}$

Pg 383 (27-32)

28. $8\sqrt{3}$

32. $-2\sqrt[3]{2}$

Pg 382
~~111111~~ (13-22)

14. $23 + 7\sqrt{7}$

17. $49 + 12\sqrt{13}$

21. -40

Pg 382 (23-26)

24.
$$\frac{12\sqrt{3} + 8}{23}$$

Pg 388 (1-25)

7. 8

12. $\sqrt[3]{x^2}$ or $(\sqrt[3]{x})^2$

15. $\frac{1}{\sqrt[4]{z^3}}$ or $\frac{1}{(\sqrt[4]{z})^3}$

21. $(7x)^{3/2}$

25. $25x^2y^2$

Pg 388 (30-34, 38-46)

34. $\frac{1}{16}$

40. $\frac{1}{3x^{2/3}}$

46. $\frac{y^4}{x^3}$

Pg 394 (1-6, 15, 17, 18, 21,
24, 25, 26)

5. 23

17. -3 and -4

21. 3

26. -2

Pg 394 (7-12, 16, 19, 20, 23,
27, 28, 29, 30)

8. 29 and -25

12. 0

19. 1

27. 5

28. -3

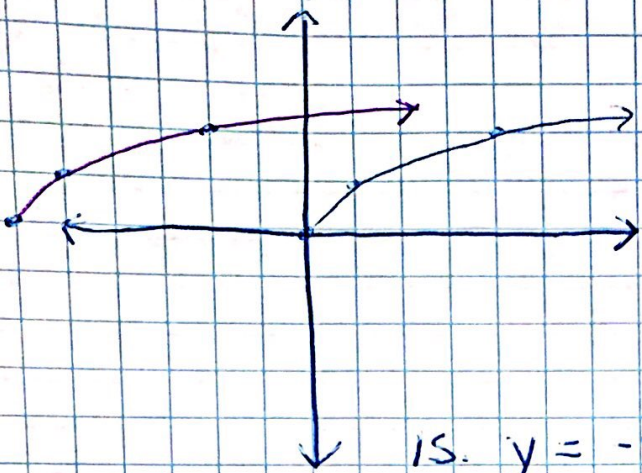
Pg 395 (34-40)

34. 8

39. 6.5

Pg ~~417~~ (1-17 odd)

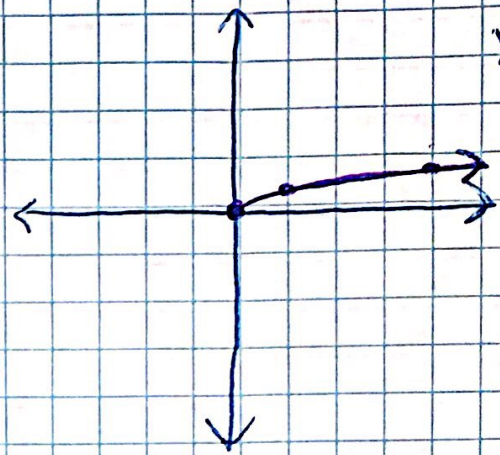
7. $y = \sqrt{x+6}$



$$y = \sqrt{x}$$

x	y
0	0
1	1
4	2
9	3

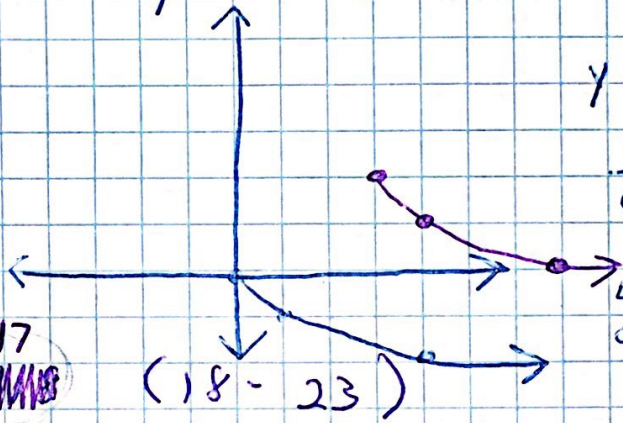
ii. $y = \frac{1}{3}\sqrt{x}$



$$y = \frac{1}{3}\sqrt{x}$$

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

15. $y = -\sqrt{x-3} + 2$



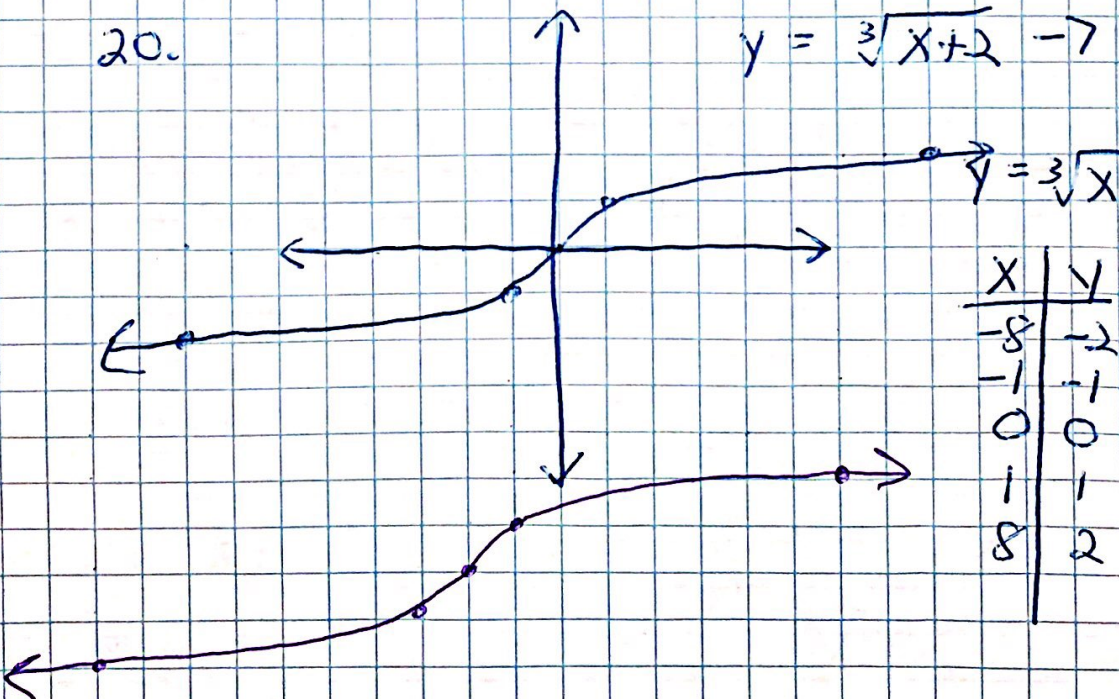
$$y = -\sqrt{x}$$

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

Pg ~~417~~ (18-23)

20.

$y = \sqrt[3]{x+2} - 7$



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

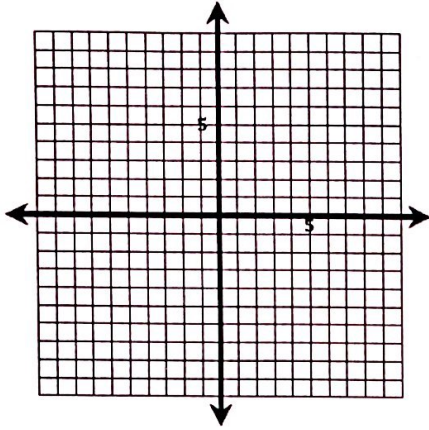
x	y
-8	-2
-1	-1
0	0
1	1
8	2

Name _____ Period _____

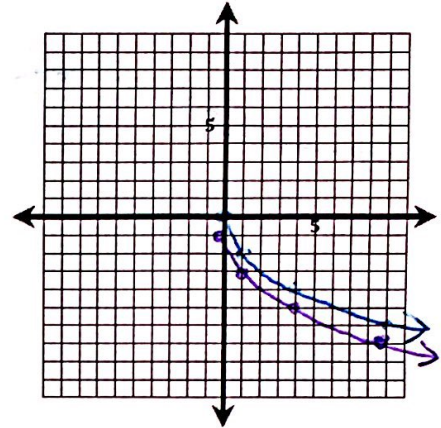
Practice 7-8 **Graphing Square Root and Other Radical Functions**

Graph each square root function. State the domain and range.

1. $y = -\sqrt{x+2}$

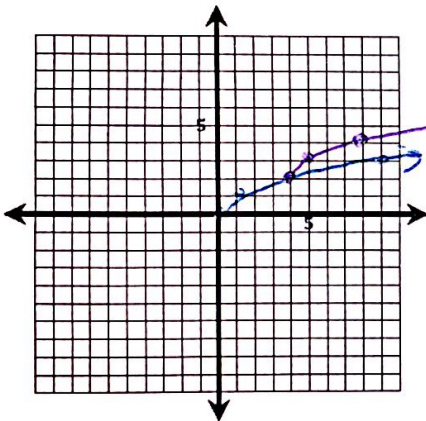


2. $y = -2\sqrt{x} - 1$



$-2\sqrt{x}$	
x	y
0	0
1	-2
4	-4
9	-6

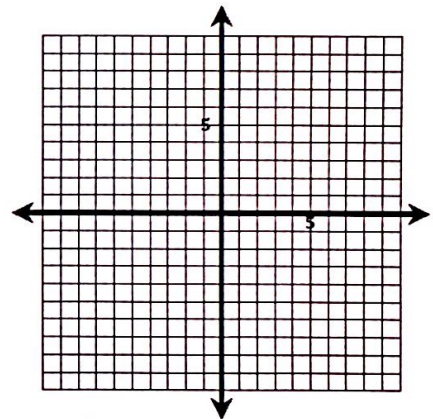
3. $y = \sqrt{x-4} + 2$



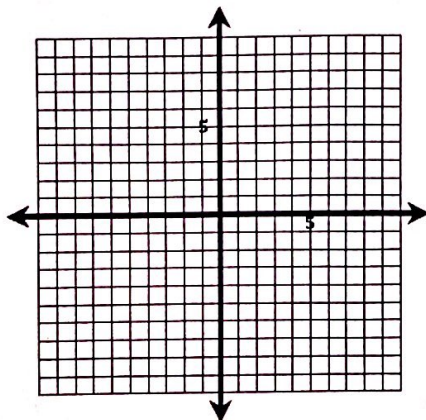
$y = \sqrt{x}$

x	y
0	0
1	1
4	2
9	3

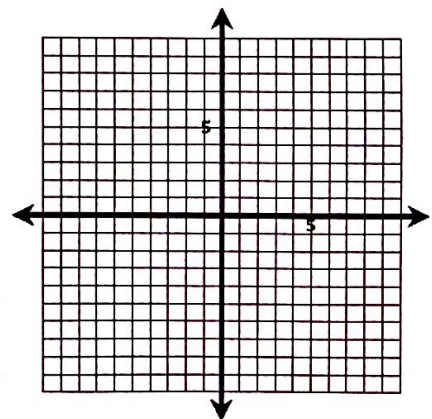
4. $y = 3\sqrt{x-2} + 3$



5. $y = -2\sqrt{x+3}$

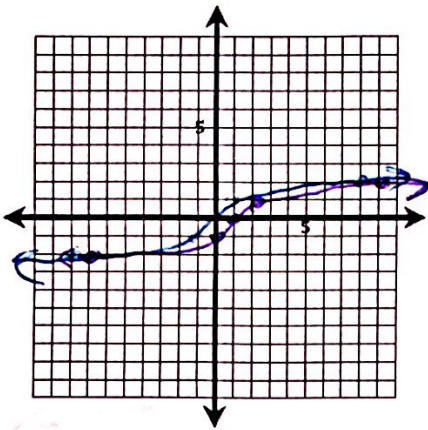


6. $y = -\sqrt{x-2} + 5$



Graph each function. State the domain and range.

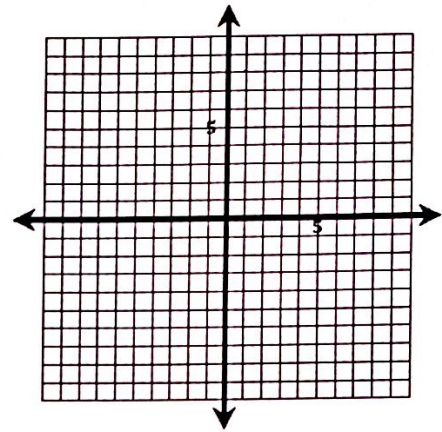
7. $y = \sqrt[3]{x-1}$



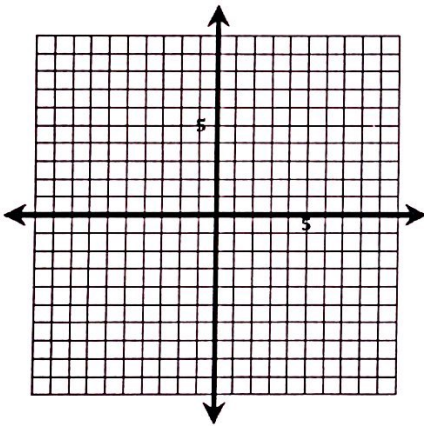
$$y = \sqrt[3]{x}$$

X	y
-8	-2
-1	-1
0	0
1	1
8	2

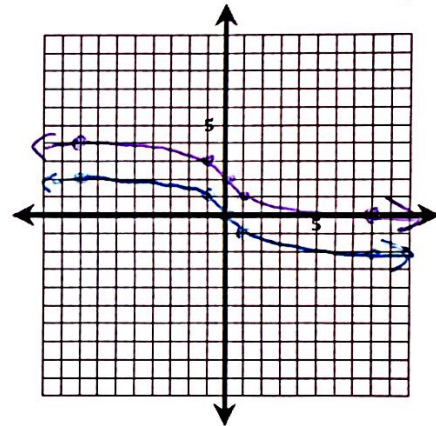
8. $y = \sqrt[3]{x+2} - 3$



9. $y = \sqrt[3]{x+1} - 2$



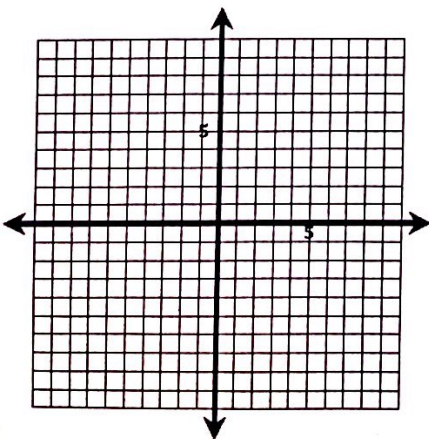
10. $y = -\sqrt[3]{x} + 2$



$$-\sqrt[3]{x}$$

X	y
-8	2
-1	1
0	0
1	-1
8	-2

11. $y = 2\sqrt[3]{x-3}$



12. $y = \sqrt[3]{x+3} - 1$

