## Find the values using the graph.

1. $F(3)=$
2. $F(0)=$
3. $\quad y$-intercept $=$
4. $x$-intercepts $=$
5. Where is $F(x)$ negative?
6. Where is $F(x)$ constant?
7. $F(-4)=$
8. $F(8)=$

9. $F(-2)=$
10. If $F(x)=0$, find x .
11. If $F(x)=-8$, find $x$.
12. If $F(x)=-5$, find x .
13. What is the maximum of $F(x)$ ?
14. What is the domain of $F(x)$ ?
15. What is the range of $F(x)$ ?

16. What is the range of $F(x)$ ?
17. $F(8)=$
18. If $F(x)=-4$, find $x$.
19. Where is $F(x)$ decreasing?
20. What is the maximum of $F(x)$ ?
21. What is the domain of $F(x)$ ?
22. Where does $F(x)$ have a constant rate of change?
23. Where is $F(x)$ increasing?
24. If $F(x)=6$, find x .
25. Where is $F(x)$ negative?
26. What is the minimum of $F(x)$ ?
27. $F(7)=$
28. What part(s) of the domain are nonlinear?
29. What part(s) of the domain are linear?
30. If $F(x)=3$, find x .

Find the values using the graph.

1. $F(3)=-3$
2. $F(0)=-1 . S_{3}$

$$
y \text {-intercept }=(0,-1.5)
$$

4. $x$-intercepts =

$$
\begin{aligned}
x & =-9 \\
x & =-1 \\
x & =5
\end{aligned}
$$

6. Where is $F(x)$ negative?
7. Where is $F(x)$ decreasing?

$$
-6 \leqslant x \leqslant
$$

$-11 \leqslant x \leq 9$
8. Where is $F(x)$ c
$1 \leqslant x \leq 4$
11. If $F(x)=0$, find $x$.
12. If $F(x)=-8$, find $x$.
13. If $F(x)=-5$, find $x$.
14. $F(-2)=\square$
$S E E \nVdash 4$
Dots Not Exist
16. What is the range of $F(x)$ ?
17. What is the maximum of $F(x)$ ?

18. What is the range of $F(x)$ ?
19. $F(8)=$
20. If $F(x)=-4$, find $x$.

$$
-7 \leq y \leq 3-7
$$

$$
x=7
$$

21. Where is $F(x)$ decreasing?

$$
\begin{aligned}
-6 \leq x \leq-4 \\
0 \leq x \leq 3
\end{aligned} \quad 5 \leq x \leq 8
$$

23. $x$-intercepts $=$
$x=-2$
$x=2.2$
$x=4$
$x=6$
24. What is the maximum of $F(x)$ ?

$$
(0,3)(5,3)
$$

26. $F(-4)=$ 2
27. Where is $F(x)$ increasing?
28. $F(2)=$

$$
\begin{gathered}
-4 \leq x \leq 0 \\
3 \leq x \leq 5
\end{gathered}
$$

29. What is the domain of $F(x)$ ? 30. Where does $F(x)$ have a constant rate of change? 31. Where is $F(x)$ increasing?
$-6 \leq x \leq 8$

$$
-6 \leq x \leq-4,3 \leq x \leq 5,5 \leq x \leq 8
$$

\# 27 (works)
32. If $F(x)=6$, find $x$.

Does No
33. Where is $F(x)$ negative?
34. What is the minimum of $F(x)$ ?
35. $F(7)=-4$

$$
\begin{aligned}
& -5 \leqslant x \leqslant-3 \\
& 22 \leqslant x-4 \\
& 6 \leqslant x \leqslant 8
\end{aligned}
$$

36. What parts) of the domain are nonlinear?
37. What part (s) of the domain are linear?
38. If $F(x)=3$, find $x$.

$$
-4 \cup x \geq 3
$$

10. $F(8)=$
ToES NGT
