

Lesson 4.1.2

4-25. See below:

a. $t - 4; 2(t - 4)$

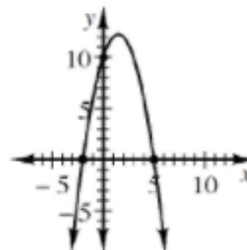
b. $150 - c$

c. $14.95c + 39.99v$

4-26. If Nina has n nickels, then $5n + 9 + 5(2n) = 84$, and $n = 5$ nickels.

4-27. See table below and graph at right. x -intercepts $(-2, 0)$ and $(5, 0)$ and y -intercept $(0, 10)$

x	-3	-2	-1	0	1	2	3	4	5	6
y	-8	0	6	10	12	12	10	6	0	-8



4-28. See below:

a. not a function, D: $-3 \leq x \leq 3$ and R: $-3 \leq y \leq 3$

b. a function, D: $-2 \leq x \leq 3$ and R: $-2 \leq x \leq 2$

4-29. $x = 1$; It will create a fraction with a denominator of zero, which is undefined.

4-30. See below:

a. -15

b. -4

c. 3

d. $-m^2$