

Lesson 1.1.1 Problems 1-4 thru 1-8

1-4. See below:

a. $y = x^2 - 6$ and then $y = \sqrt{x-5}$

b. Yes, reverse the order of the machines ($y = \sqrt{x-5}$ and then $y = x^2 - 6$) and use an input of $x = 6$.

1-5. See below:

a. 54

b. $-7\frac{3}{5}$

c. 2

d. 2.93

1-6. See below:

a. (sketch figures)

b. It grows by two tiles each time.

c. 1

1-7. See below:

a. -59

b. 17

c. -72

d. 6

e. -24

f. -25

g. 25

h. -25

i. 7

1-8. See below:

a. 5

b. 3

c. 4