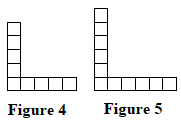
**1.1.1 Homework Solutions**

* **1-6. See below.**
  1. *y*= *x*2 − 6 and then http://textbooks.cpm.org/images/answers/cca/chap01/cca_1-4_ans.gif.
  2. Yes, reverse the order of the machines (http://textbooks.cpm.org/images/answers/cca/chap01/cca_1-4_ans.gif and then *y* = *x*2 − 6) and use an input of *x* = 6.
* **1-7. See below.**
  1. 54
  2. −7***http://textbooks.cpm.org/images/cc2/common/3-5.gif***
  3. 2
  4. 2.93
* **1-8. See below.**
  1. 
  2. It grows by adding two tiles each time.
  3. 1;  The top and right tiles are removed, since the pattern is to add two tiles to expand each figure.
* **1-9. See below.**
  1. −59
  2. 17
  3. −72
  4. 6
  5. −24
  6. −25
  7. 25
  8. −25
  9. 7
* **1-10. See below.**
  1. *y* = 1
  2. *y* = 3
  3. *y* = 9