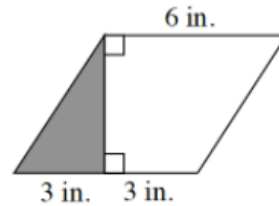# Chapter 6 Homework Questions 125-127 (Scroll down to see answers)

CL 6-125. In the figure below, the area of the shaded region is 3 square inches. What is the area of the total figure?

6 in.

3 in.   3 in.

CL 6-126. Copy the following expressions on your paper and simplify them by combining like terms. Using algebra tiles may be helpful.

a. $4x + 2 + 2x + x^2 + x$

b. $10x + 4 - 3 + 8x + 2$

c. $4 + x^2 + 3x + 2x^2 + 4$

d. $x + 4 + (x - 1) + 3 + 2x$

CL 6-127. Use the correct Order of Operations to simplify each of the following expression.

a. $9 - 3 \cdot 2$

b. $5(7 - 1) + 2^2$

c. $18 - 7 \div 2 + 5 \cdot 4$

CL 6-125.	12 square units
CL 6-126.	a. $x^2 + 7x + 2$ b. $18x + 3$ c. 3c. $3x^2 + 3x + 8$ d. $4x + 6$
CL 6-127.	a. 3 b. 34 c. 34.5