

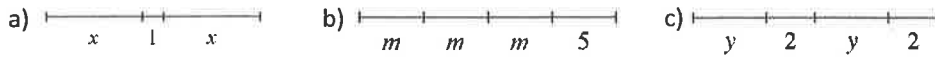
ch. 4 Study Guide

Chapter 4 Closure What have I learned?

Reflection and Synthesis

4-82 Use an algebraic expression to represent each sequence of lengths shown below.

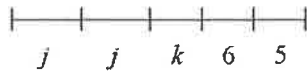
4-82



$$2 + y + 2 + 4 + y + 2$$

4-87 a) Write an algebraic expression to represent the length of the diagram.

4-87



$$j + j + k + 6 + 5$$

b) Find the length of the diagram above if: $j = 10$ and $k = 7$.

4-86 Evaluate the following expressions.

Reminder: You must always follow the order of operations (PEMDAS).

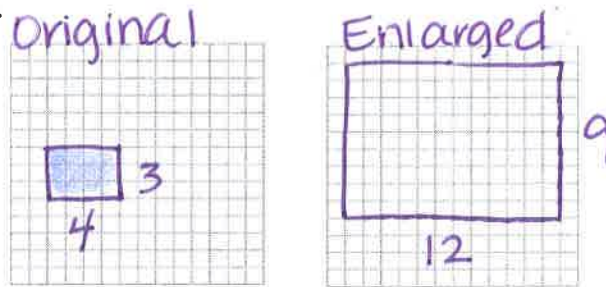
4-86

- a) Find the value of $3f + 2$ for $f = 5$.
- b) Find the value of $x \cdot y$ for $x = 9$ and $y = 3$
- c) Find the value of $2(3 + x)$ for $x = 8$

$$\begin{aligned} &= (3 + 8) \\ &= (11) \\ &= 22 \end{aligned}$$

4-90 Draw a rectangle with a base of 4 and a height of 3. Then, **enlarge** it so that the base is 12.

4-90



b)

c) Tr

- a) Each side of the new rectangle is what percent of the original? (Need help? Look on page 96 of your notebook).
- b) Write a ratio that represents the original base to the new base. Write your ratio "all three ways."
- c) Describe how the rectangle changed.

ger.

