Name:_____

Date:_____ Per:_____

Lesson 3.1.1 Homework

3-7. Consider the expression $7 + 3 \cdot 4 + 2$. 3-7 HW eTool (CPM).

a. What movements does this represent for Cecil walking on his tightrope? Draw a diagram to show his movements and the length of his walk.

b. How many different answers can you get by grouping differently? Add parentheses to the expression $7 + 3 \cdot 4 + 2$ to create new expressions with as many different values as possible.

3-8. Find the distance between each pair of points if they were graphed on a number line. Represent your work using absolute value symbols.

a. -27.1 and 53.2

b. 71.54 and -28.3

c. -38.9 and -7.3

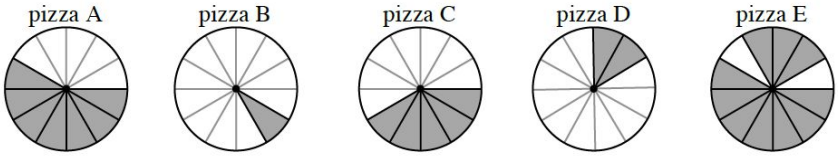
3-9. Find the missing information from the following relationships.

a. Mark has downloaded four times as many songs on his music player as Chloe. If Mark has 440 songs, how many songs does Chloe have?

b. Cici likes to collect shoes, but she only has half the number of pairs of shoes that her friend Aubree has. If Cici has 42 pairs of shoes, how many pairs of shoes does Aubree have?

c. Tito walked three more miles than Danielle. If Danielle walked 2 miles, how far did Tito walk?

3-10. After a pizza party, Julia has parts of five pizzas left over, as shown below. Each pizza was originally cut into 12 pieces, and the shaded areas represent the slices that were not eaten.



a. What fraction of pizza A is left?

b. If all of the pieces were put together, how many whole pizzas could Julia make? How many extra pieces would she have?

c. Julia wants to write the amount of leftover pizza as a single fraction. How could she do this?

3-11. Complete the generic rectangle below. What multiplication problem does it represent and what is the product?

	___	+ 5
___	200	100
+ 7	___	___