Math 4b. Homework 1.

1. Peter and Robert went camping. They walked 14 km and rested. After the rest, they walked 6 km less than before the rest, and stopped for the night. Now they have to go three times further than they have already gone. How long is the trip planned?

2. An adult elephant weighs 10833 pounds more than a baby elephant. Together they weigh 32037 pounds. How many pounds does a baby elephant weight?

3. Mary and Julia are twins. They invited 28 friends to their birthday party. Mary wrote 3 time as many invitation cards as Julia did. How many cards did Julia write? (Draw a schematic picture of the problem if it can help you.)

4. Find the unknown x

   $x + 6 = 84;$ $\qquad\qquad$ $x \cdot 6 = 84$

   $x - 7 = 63;$ $\qquad\qquad$ $x : 7 = 63$

   $54 - x = 27;$ $\qquad\qquad$ $54 : x = 27$

5. Place parentheses into the following expression so that the statement is true.
   a. $15 - 35 + 5 \div 4 = 5$
   b. $60 + 40 - 16 \div 4 = 66$
   c. $24 \div 56 - 8 \times 4 = 1$
   d. $96 - 12 \times 6 \div 3 = 8$
   e. $64 \div 64 - 8 \times 4 = 2$
   f. $63 \div 9 + 54 = 1$
   g. $75 - 15 \div 5 + 10 = 22.$

6. Solve the following riddles (each letter represents a digit)

$$\begin{array}{r} COCA \\ + COLA \\ \hline OASIS \end{array}$$