Name _____   **Date** _____

Practice A, B, C
For use with pages 96–101

1. Necklaces You are making necklaces using two different colors of stone beads. Blue beads costs $.07 per bead and yellow beads costs $.05 per bead. You need 50 beads to complete a necklace.

    a) Write a simplified equation that gives the total cost *C* if you use *b* blue beads. (You still need to use both colors of beads)

    b) Find the total cost if you use 35 blue beads.

2. Hiking Socks A local sports store is selling its hiking socks for $2 off the regular price of a pair of socks.
    a)Write an equation that gives the total cost *t* as a function of the regular cost *r* of a pair of socks after the discount if you buy six pairs.

    b) Then find the total cost if the socks regularly cost $10 per pair.

3. Curtains You are making curtains by alternating strips of solid colored fabric and patterned fabric. The solid colored fabric costs $.99 per strip and the patterned fabric costs $1.25 per strip. You need 7 strips for one curtain.
    a) Write a simplified equation that gives the total cost *C* as a function of the number *n* of solid colored strips used.

    b) Then find the total cost if you use 3 solid colored strips.

4. Shoe Boxes A department store is selling its plastic shoe boxes for $1.50 off the regular price of a shoe box. You are buying 4 boxes.

      a) Write a simplified equation that gives the total cost T as a function of the regular cost r of a shoe box.

      b) Then find the total cost if the boxes regularly cost $3.59 each.

5. Quilts You are using solid colored fabric that costs $.06 per square and patterned fabric that costs $.10 per square to make a quilt. You need 660 squares to complete the quilt.

      a) Write a simplified equation that gives the total cost C as a function of the number n of solid squares used.

      b) Then find the total cost if you use 200 solid colored squares.

6. Halloween Candy You are buying candy for to pass out during Halloween. You are buying Kit Kats and Swedish Fish. You need to buy 100 pieces of candy total. Kit Kats cost $0.75 each and Swedish Fish cost $1.25 each.

      a) Write a simplified equation to represent the total cost C if you buy k Kit Kats.

      b) Find your total cost if you buy 40 Kit Kats.