Name: _____

Date: _____

BJC Review Practice 2

Section 1: Hire Purchase

Answer the questions below.

(Answers should look like $1,000.00)

1.

Cash Price $1,200
or 20% down +
12 equal payments of $110 each

Mrs. Burrows purchased a television set using the above payment plan.

a) Calculate the amount of the down payment?

Answer = _____

b) What is the total amount paid over the 12 months?

Answer = _____

c) Calculate the total cost of the television on the payment plan.

Answer = _____

d) How much money would be saved by paying cash?

Answer = _____

2. Caitlyn purchased an iPhone using the Hire Purchase Plan.

Calculate:

Cash Price $900
Hire Purchase Plan
$200 down +
10 monthly payments of $85

a) the total monthly payments.

Answer = _____

b) the cost of the iPhone on the Hire Purchase Plan.

Answer = _____

c) How much would she have saved by paying cash?

Answer = _____

Section 2: Angle Properties

Find the missing angles in each of the following.

1)

88°
b°

b = _____

2)

n°
54°

n = _____
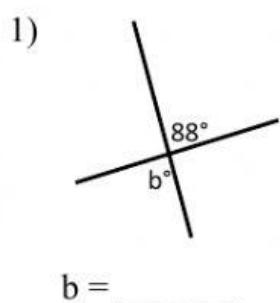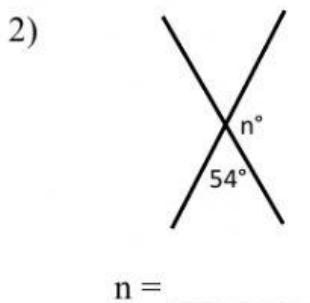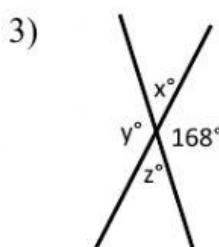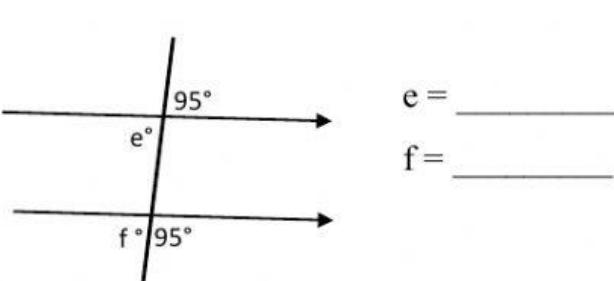
Vertically Opposite Angles
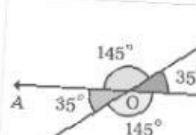
Are located directly across from each other. They are Equal.

Adjacent Angles
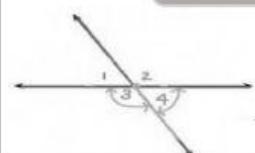
Are right next to each other. They add up to 180°.

3)

x°
y°   168°
z°

x = _____

y = _____

z = _____

4)

95°
e°
f° 95°

e = _____

f = _____

Section 3: Ratios – Sharing

1. Anna and Beth share $200 in the ratio 2:3.

   How much does each girl receive?

   a) Anna = _____   b) Beth = _____

2. There are 1200 students at A.F. Adderley Jr. High.

   The ratio of boys to girls is 3:5 respectively.

   How many girls are in the school?

                   Answer = _____

Sharing a quantity into a given ratio

For example, share 36 into the ratio 2 : 7

First ADD the ratio 2 + 7 = 9

Second DIVIDE this answer into the quantity to be shared 36 ÷ 9 = 4

Third MULTIPLY the ratio by this answer 2 X 4 : 7 X 4

This is the answer 8 : 28

3. Nancy, Beverly and Todd shared $3600 in the ratio 2:3:4 respectively.

   a) Calculate the amount of money that Todd received.

                   Answer = _____

   b) Todd invested his money in the bank for 1 year at 6% simple interest.

      (i) How much interest does he earn?

                   Answer = _____

      (ii) What is the total AMOUNT after 1 year's investment?

                   Answer = _____