**Name:** **Mathematics Department**

**Solving Equations**

***Solve the following Equations***

1. a. $2x + 5 = 17$
   X =

   b. $3x + 4 = -8$
   x =

2. a. $4x - 7 = 13$
   x =

   b. $2x - 5 = -11$
   x =

3. a. $x/2 + 5 = 21$
   x =

   b. $x/3 + 6 = -2$
   x =

4. a. $2x/4 - 3 = 7$
   x =

   b. $3x/2 - 5 = -4$
   x =

**Form equations and solve the following problems**:

5. Brandy purchased a roti, paid with $10.00 and got back $1.50 in change. How much did she pay for a roti?

   Amount she paid for a roti is $

6. Ryan bought 3 drinks, he paid with $20 and got back $7.25 in change. What is the cost of one drink?

   The cost of one drink is $

7. Crystal drank three full cups of drink and left 250 ml in the jug. How much did she drink on each occasion if the jug holds 850 ml?

   On each occasion, she drank ml