MATH 4:   Classwork 1.
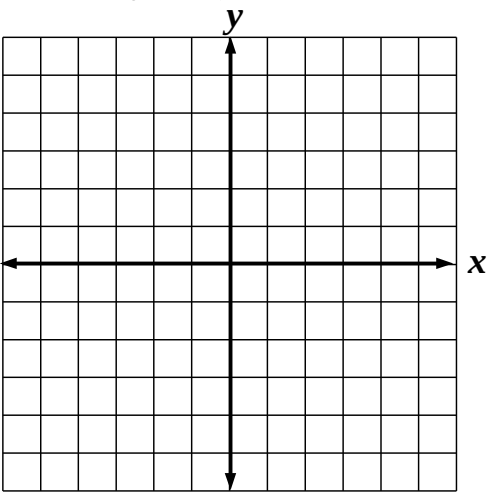
1. Draw the X and Y plane (It is also called Cartesian coordinate system).

On the plane put the following points:
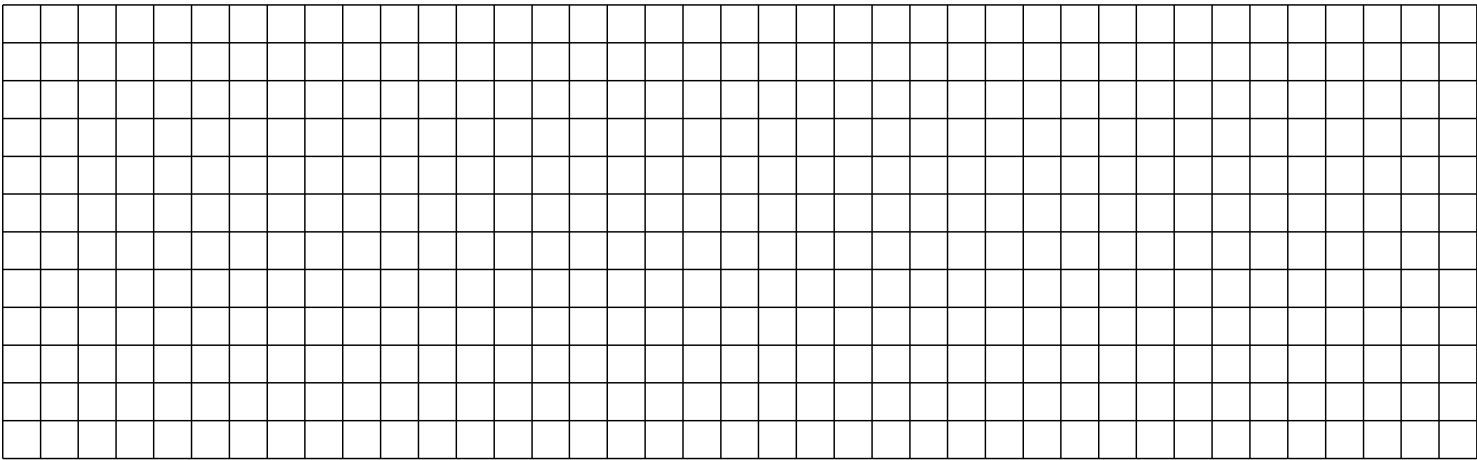A(-3, 3),   B(3, 4),   C(3, -5),
D(-3, -6).

2.   Compute the following products:
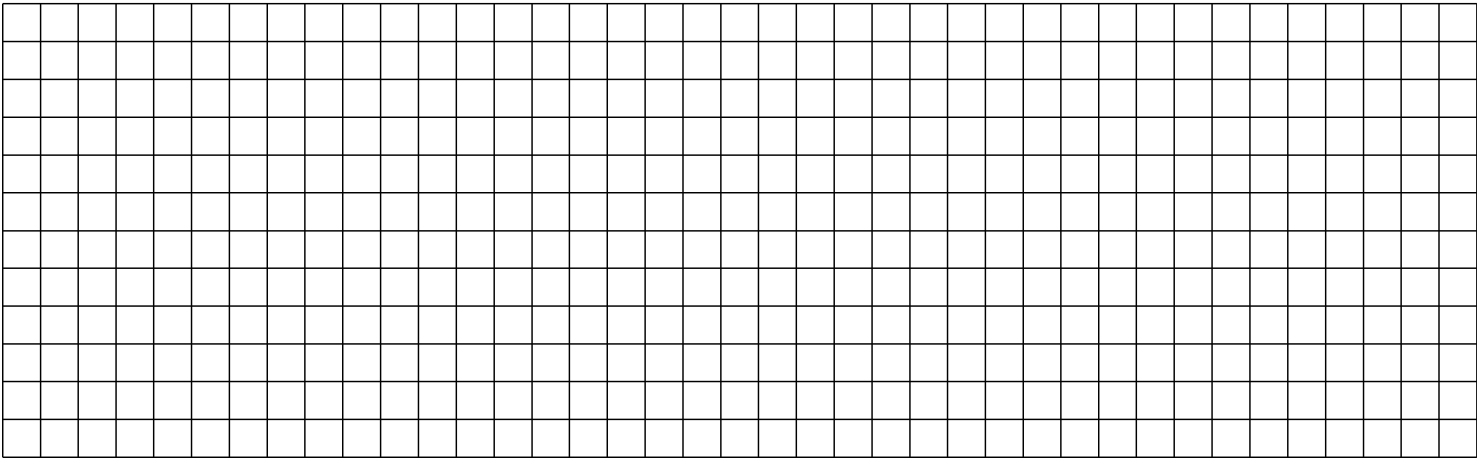   7 × 412   253 × 14   999 × 23   111 × 1111

3. Divide: 6)522   6)1662   4)3902   3)1770

4. Two boys together have $12. One of them has $10 more than the other. How much money does each of them have?

5. Solve the problems by composing equations

a.   A dog weighs 2 pounds more than a cat. Together, a dog and two cats weigh 17 pounds. How much does a dog weigh? How much does a cat weigh?

b.   A dog weighs 2 pounds more than a cat. Together, two dogs and two cats weigh 16 pounds. How much does a dog weigh? How much does a cat weigh?

6.   *At a lemonade stand, they have two kinds of cups: 6 ounce cups and 8 ounce cups.*

a.   A boy comes to the stand with a really large cup of unknown volume and asks for exactly 20 ounces of lemonade. Can the lemonade seller do it, by using his two kinds of cups as measuring cups?

b.   And a second boy only wants 10 ounces of lemonade. Can the seller help him?

c.   A third boy now wants 21 ounces of lemonade. Can the seller help him, too?