12/17/2017- TEST

1) Fill in the diagram for the equations, solve them, and check your answers.

x - 24 = 5

48 - x = 13

x + 35 = 67

2) Use a ruler.

- Plot straight line (***NQ)***.
- Plot ray [***RT)***.
- Label the intersection **M**.
- Plot segment [**MF**].

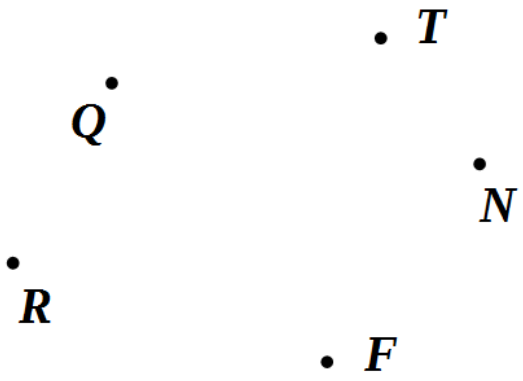
Make a right-angle template.
Using the template compare the following angles. Mark with YES the ones that are larger than the right angle.

_____∠**RMF**

_____∠**QMF**

_____∠**FMT**

_____∠**TMN**



3) There are ***m*** liters of water in a bucket and ***n*** liters in a jar.

A girl poured ***c*** liters out of the bucket and ***d*** liters out of the jar.

Write the expressions to describe the following:

How many liters of water **were** in the **bucket** and the **jar together**? _____

How many liters of water is **left** in the **bucket**?_____

How many liters of water is **left** in the **jar**?_____

How many liters of water did she pour **from a jar and a bucket all together**?_____

4) Calculate, try to find the easiest way to do it, show your work:

22 + 13 + 78 + 87 = _____

50 + 199 + 38 + 1 + 12 =_____

5) Find the order of operations and solve:

15 + 20 – 10 + 5 = _____

(15 + 20) – (10+ 5) = _____

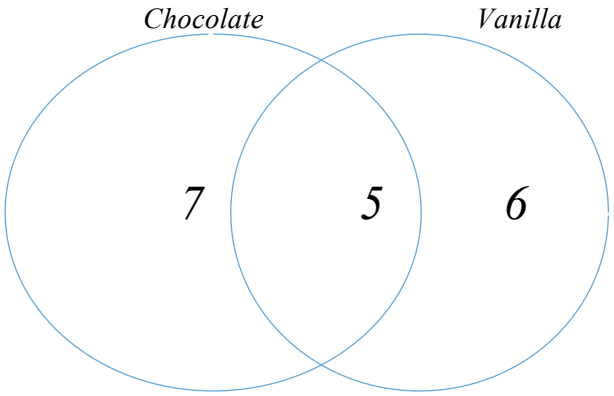
15 + (20 – 10 + 5) = _____

6) All kids in Michael's class like ice cream.

Michael asked his classmates a question: Do you like chocolate or vanilla ice cream?

Some of the kids said: *Chocolate,* some said: *Vanilla*, some said: *both.*

Michael decided to make a Venn diagram (he included himself of course!). After he counted all the answers, the diagram looks as follows:



*How many kids are in his class?*_____

*How many kids like both Vanilla & Chocolate?*_____

*How many **do not** like Chocolate?*_____

*How many **do not** like Vanilla?*_____

7) Compute:

	3	5	6
+	1	6	5

	6	9	1
-	2	3	8

	3	0	5
+	1	9	6

8) Compare:

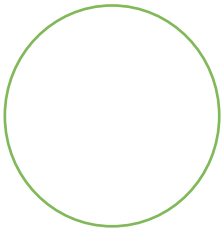
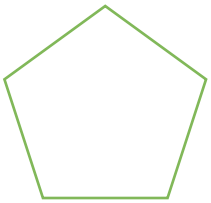
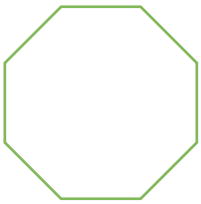
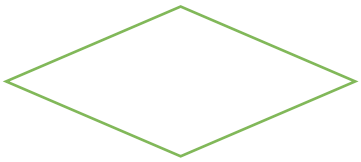
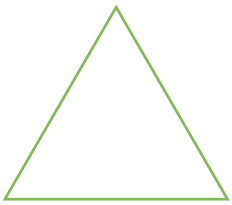
a …… a + 10

n …… n - 5

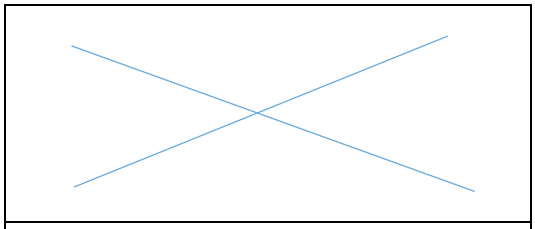
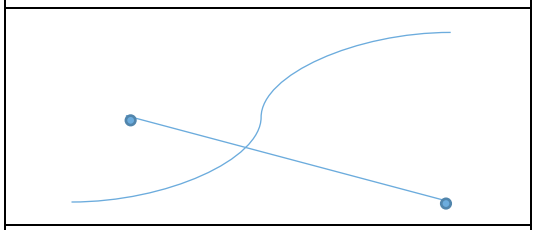
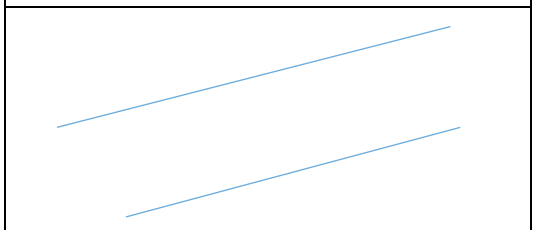
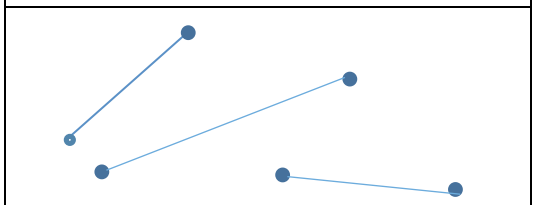
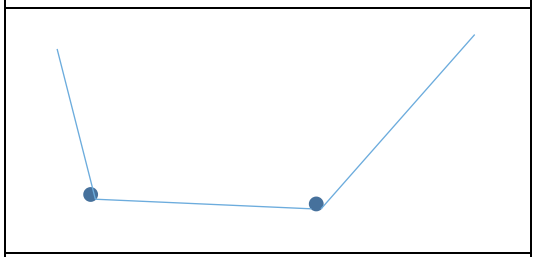
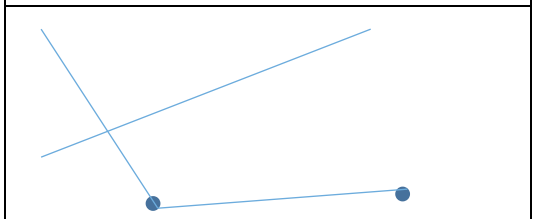
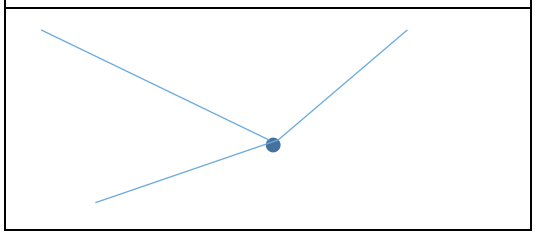
a – 5 ….. a – 5 + 1

n – 3 ……n – 3 +10

9) **Read the description, find the figure, connect the description and the picture, try to name the picture**

A figure that has four right angles and all sides are equal	
A figure that has three vertices and three equal sides	
A figure that has eight equal sides	
A figure with at least one obtuse angle, four sides (not all are equal), has two pairs of parallel sides.	
A figure that has no angles	
A figure with five vertices, all sides are equal.	
A figure with two obtuse angles, two acute angles, all sides are equal.	

10) **Connect the description in the first column to the right picture in the second column**

Three line segments	
Two rays and one line segment	
Two intersecting straight lines	
Two parallel lines	
Three Rays	
One curved line and one line segment	
One straight line, one ray and one line segment	

TEST