

**Geometry Skills (Elementary Geometry)  
Summer Assignment**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Hour: \_\_\_\_\_

**Directions:** Show all work for full credit using a pencil. Record your final answer on the lines provided.  
This assignment is due the first day of school.

**Find the value of the expression.**

1.  $7^2 + 3^2 =$

1. \_\_\_\_\_

2.  $8^2 + 6^2 =$

2. \_\_\_\_\_

**Round the decimal to the indicated place value.**

3. 9.53, tenth

3. \_\_\_\_\_

4. 3.076, hundredth

4. \_\_\_\_\_

**Write the fraction in simplest form.**

5.  $\frac{24}{40} =$

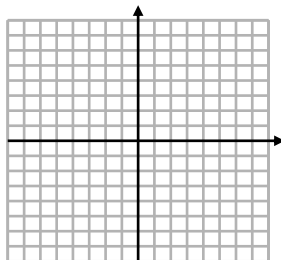
5. \_\_\_\_\_

6.  $\frac{6}{33} =$

6. \_\_\_\_\_

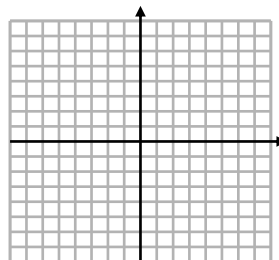
**Graph each of the following equation on graph paper provided.**

7.  $y = x - 1$



7. See graph

8.  $y = 3x + 2$



8. See graph

**Classify the angle as acute, right, obtuse or straight.**

9.  $25^\circ =$  \_\_\_\_\_

10.  $178^\circ =$  \_\_\_\_\_

11.  $90^\circ =$  \_\_\_\_\_



**Simplify the expression.**

21.  $\sqrt{64} * \sqrt{81} =$

21. \_\_\_\_\_

22.  $\sqrt{\frac{36}{100}} =$

22. \_\_\_\_\_

**Use the table to write each ratio in simplest form.**

Rental	Cars
Gray	15
White	9
Blue	6

23. Gray cars to white cars = \_\_\_\_\_

24. Blue cars to total cars = \_\_\_\_\_

**Solve each fraction.**

25.  $\frac{5}{9} + \frac{2}{9} =$

25. \_\_\_\_\_

26.  $\frac{8}{9} - \frac{2}{9} =$

26. \_\_\_\_\_

27.  $\frac{1}{2} \times \frac{4}{5} =$

27. \_\_\_\_\_

28.  $\frac{3}{4} \div \frac{3}{10} =$

28. \_\_\_\_\_