

**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.

Simplify.

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. _____

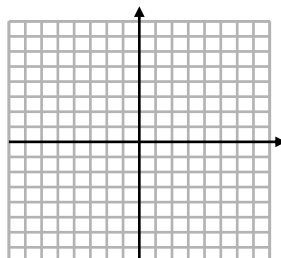
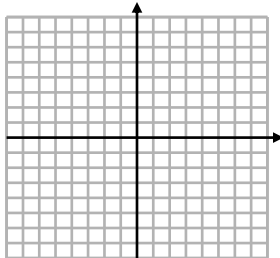
Graph each of the following equation on graph paper provided.

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. $90^\circ =$ _____

Find the area of each figure.

22. square with side length 9 in.

22. _____

23. rectangle with length 3.5 cm
and width 3 cm.

23. _____

24. triangle with base 10 ft. and
and height 3 ft.

24. _____

Simplify the expression.

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

25. _____

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

26. _____

Use the table to write each ratio in simplest form.

Rental	Cars
Gray	15
White	9
Blue	6

27. Gray cars to white cars = _____

28. Blue cars to total cars = _____

Solve each fraction.

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

29. _____

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

30. _____

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

31. _____

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

32. _____