GT Geometry – K. Bernhard Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Don’t forget to SIMPLIFY! ☺

Unit 1 Practice

USE PENCIL!! SHOW ALL WORK FOR CREDIT!! No decimals or mixed numbers please ☺

1. Find the value of each variable if S is between R and T.

a) 

Please sketch and label!!!

b)  and S is the midpoint of 

c) 

2. Find the value of each variable.

a) 

b)

3. Find the value of x for each.

a) b)

5x



10



2

x

4. Given each set of points, calculate PQ and the midpoint of segment PQ.

1. 
2. 

6. Find the coordinate of point R, given that S is the midpoint of segment RT.



5. Answer each of the following statements with AT (always true), ST (sometimes true) or NT (never true).

\_\_\_\_\_\_\_\_ a) Two points are collinear.

\_\_\_\_\_\_\_\_ b) Three points are collinear.

\_\_\_\_\_\_\_\_ c) Two lines are coplanar.

\_\_\_\_\_\_\_\_ d) A line and a plane are coplanar.

\_\_\_\_\_\_\_\_ e) When using three letters to name an angle, the vertex is the second letter named.