PROBLEMS FOR REVIEW

Quiz Review 3.1-3.3 BERNHARD GT GEOMETRY

Name _____ Period _____

NO CALCULATOR!!

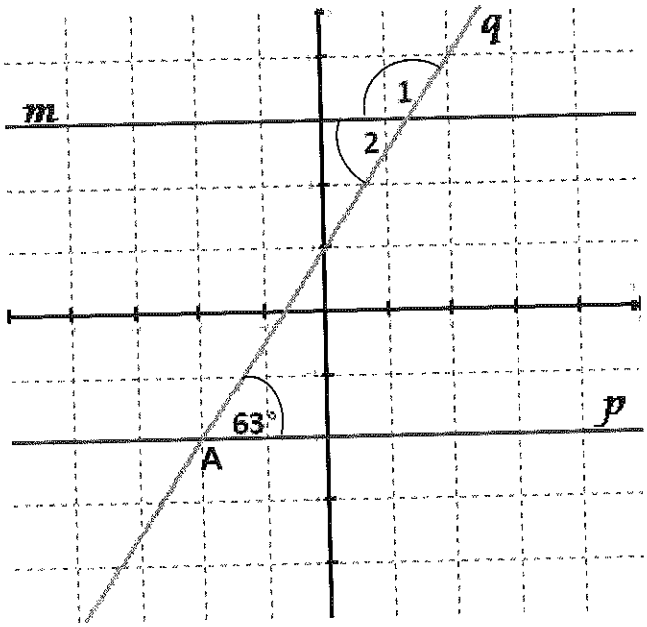
1. Write the equation of each line described:

a) The line that is perpendicular to $3x-4y=-5$ and contains the point (-2,-8).

b) The line parallel to the x-axis that contains the point (-3, 7).

c) The line that contains the point R (2,3) and is parallel to line PQ with P(5,2) and Q(3, -4). Show all work.

2. Refer to the figure below to answer the following.



a. What is the equation of the vertical line that contains point A?

b. What is the equation of line **p**?

c. What is the equation of line **q**?

d. What is the measure of $\angle 1$?

e. What is the equation of the line perpendicular to **m** that contains the point $(-2,5)$

3. Name each pair of angles:

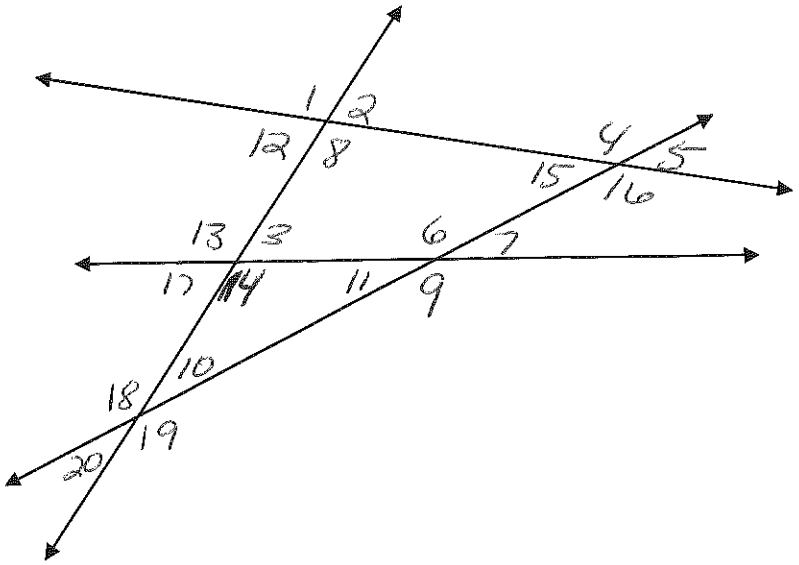
a) $\angle 1$ *and* $\angle 8$

b) $\angle 2$ *and* $\angle 3$

c) $\angle 11$ *and* $\angle 14$

d) $\angle 10$ *and* $\angle 9$

e) $\angle 2$ *and* $\angle 14$



4. Answer each of the following with AT (Always true), ST (Sometimes True) or NT (Never True).

_____ a) Same–side interior angles are congruent.

_____ b) Corresponding angles are congruent.

_____ c) Skew lines are coplanar.

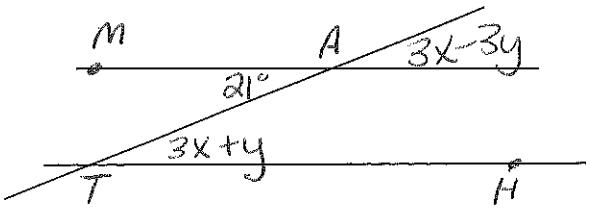
_____ d) Intersecting lines are coplanar.

_____ e) Vertical Angles are congruent.

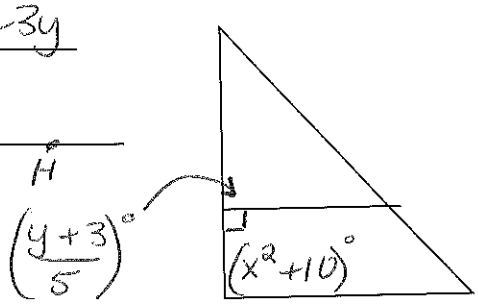
_____ f) Angles that form a linear pair are congruent.

5. Find the values of each variable if $\overline{MA} \parallel \overline{TH}$. Show your work.

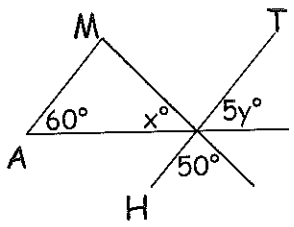
a) x = _____ y = _____



b) x = _____ y = _____

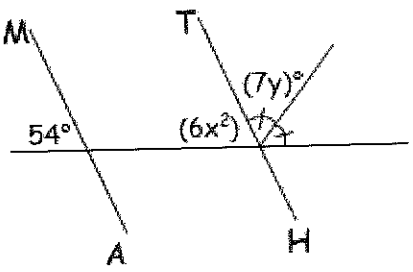


c) x = _____ y = _____



d) x = _____

e) x = _____ y = _____



f) x = _____ y = _____