

Name: _____

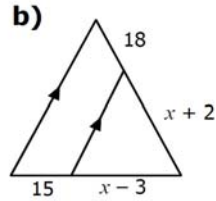
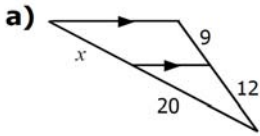
Mrs. Jacknis

Date: _____

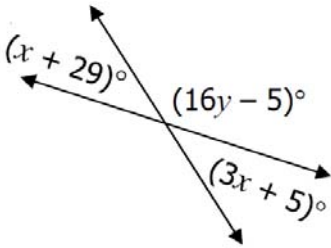
Midterm Review #2

Directions: Answer each of the following questions completely. Show all work.

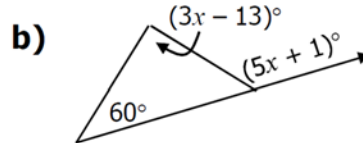
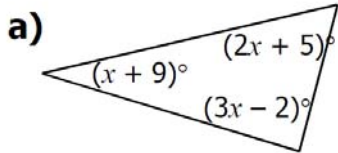
1) Solve for x .



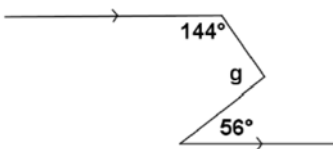
2) Find the values of x and y in the diagram below.



3) Find the missing variable in the diagram below.



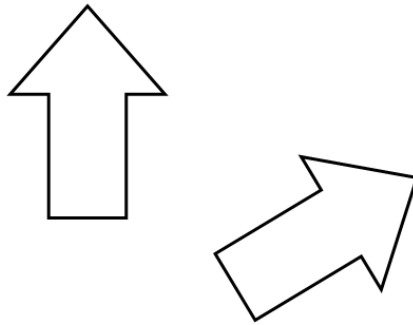
4) Solve for g .



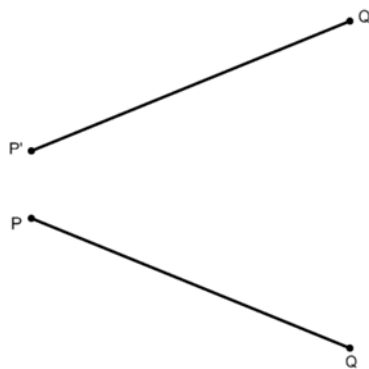
5) Which rigid motion does not preserve orientation?

6) A' (0,-1) is the image of A (-3, 5) after translation. If the coordinates of B are (6, -2), what is B' , the image of B under the same translation.

7) Construct the center of rotation for the transformation.



8) $\overline{P'Q'}$ is the image of \overline{PQ} after a line reflection. Use a compass and straightedge to construct the line of reflection.



9) Construct an equilateral triangle inscribed in a circle.

10) Construct a line perpendicular to line l through point A .

