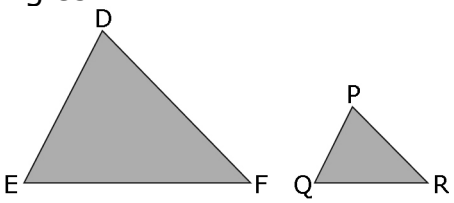
Name: _____ Date: _____

BLM 4–9

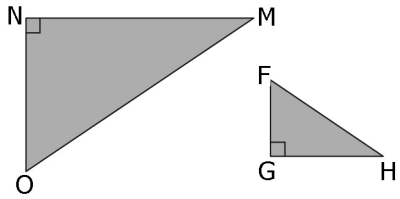
Section 4.3 Extra Practice

1. List the corresponding angles and the corresponding sides in each pair of triangles.

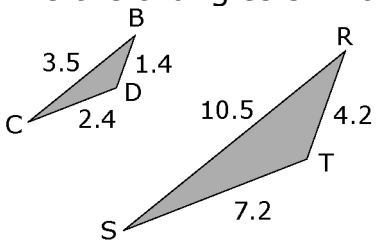
a)



b)

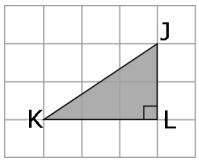


2. Are the triangles similar? Show how you know.

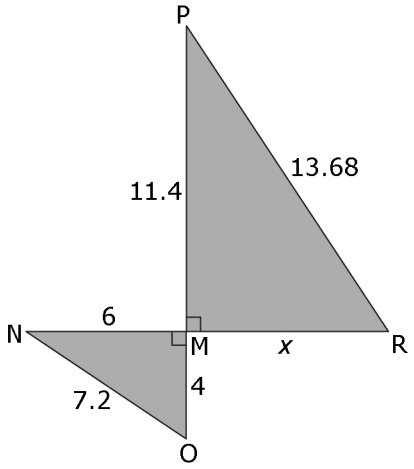


3. a) Use grid paper and a scale factor of 2 to draw △WXY so that it is similar to △JKL.

b) List the corresponding angles and the corresponding sides.



4. △MNO is similar to △MPR. Calculate the missing length, *x*, to the nearest tenth.
Hint: Compare the corresponding sides to determine the scale factor. Use the scale factor to solve for the missing length.



5. The two vertical supports on a ramp form two triangles. △ABC is similar to △DEC. Find the height of the ramp by calculating the missing length, *y*. Show your work.