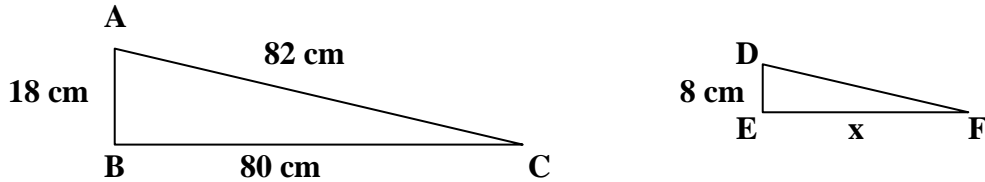


Proportions and Similar Polygons

Answer the following for this pair of similar triangles, $\triangle ABC \approx \triangle DEF$.



- [1] Name all three pairs of corresponding sides.
- [2] Name all three pairs of corresponding angles.
- [3] Write a proportion, and then solve it algebraically to determine the value of the variable x .

Use one piece of graph paper and a ruler to answer the following.

- [4] Draw a pair of similar triangles, labeling them $\triangle PQR \approx \triangle TUV$, that have their corresponding sides in the ratio 5:3. Identify all pairs of corresponding sides and angles.

FINALLY, DO PROBLEMS [5] TO [9] FROM PAGES 286-287 OF YOUR TEXTBOOK. Before attempting these problems, carefully READ the text and examples on pages 284-285. Be sure to copy each problem and show all work done to solve it in your Math Notebook!