

Name: _____

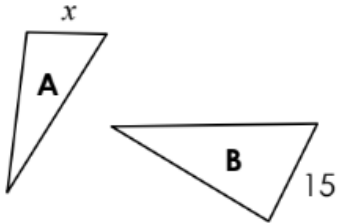
Geometry

Date: _____ Period: _____

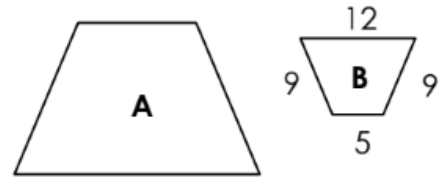
HW 7.2B Similar Figures

Directions: Find the missing values.

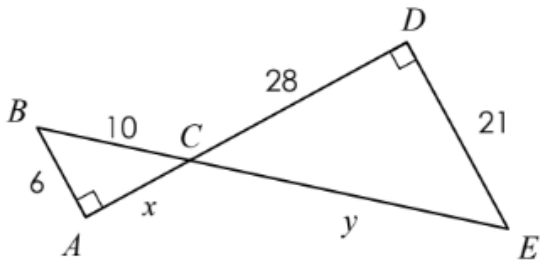
1. If the scale factor from Figure A to Figure B is 4:5, find x .



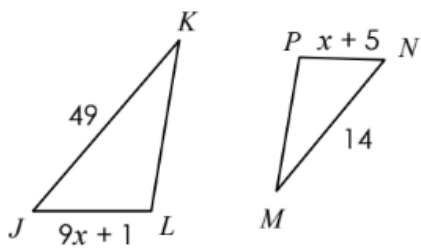
2. If the scale factor from Figure A to Figure B is 7:2, find the perimeter of Figure A.



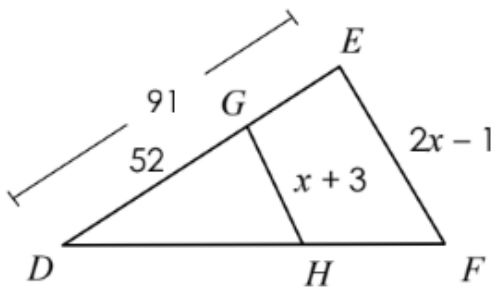
3. $\triangle ABC \sim \triangle DEC$



4. $\triangle JKL \sim \triangle MNP$



5. $\triangle DGH \sim \triangle DEF$



6. The design for a mural is 16 in. wide and 9 in. high. What are the dimensions of the largest possible complete mural that can be painted on a wall 24 ft. wide by 14 ft. high?

7. You want to make a scale drawing of New York City's Empire State Building using the scale 1 in. = 250 ft. If the building is 1250 ft tall, how tall should you make the building in your scale drawing?