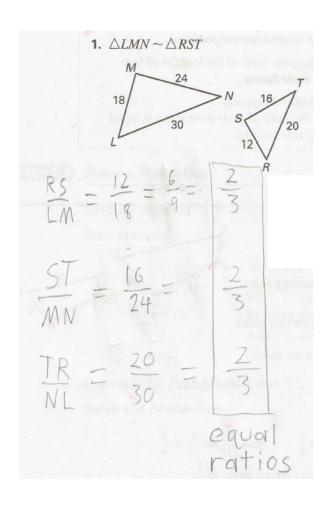
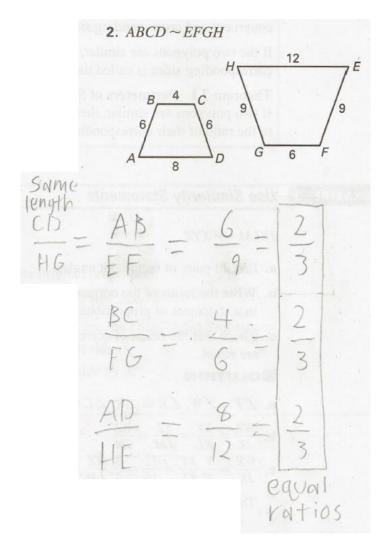
This assignment covers the following Educational Objectives (Subjects marked with a "**II**" are the main subject, and those marked with an "**II**" are secondary subjects):

■ Geometry

Solve the following problems. Use a pencil.

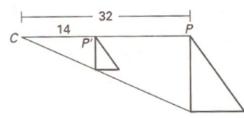
check that the ratios of corresponding sides are equal.

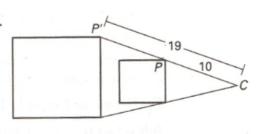








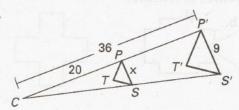




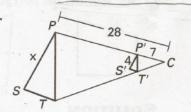
$$\frac{CP'}{CP} = \frac{14}{32} = \frac{2}{16}$$

$\triangle P'S'T'$ is the image of $\triangle PST$ after a dilation. Find the value of x.

6.



7



$$\frac{CP'}{CP} = \frac{P's'}{DS}$$

$$\frac{CP'}{CP} = \frac{P'S'}{PS}$$

$$\frac{36}{20} = \frac{9}{5}$$

$$\times = 5$$

$$\frac{-7}{28} = \frac{4}{16}$$