

Name:

### 3.1.3 - Using Ratios of Similarity Homework

1. Solve each equation below.

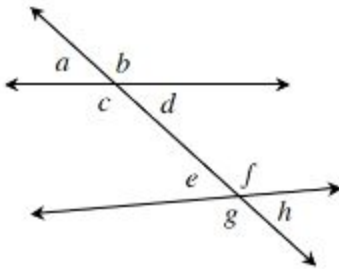
a.  $\frac{14}{5} = \frac{x}{3}$

b.  $\frac{10}{m} = \frac{5}{11}$

c.  $\frac{t-2}{12} = \frac{7}{8}$

d.  $\frac{x+1}{5} = \frac{x}{3}$

2. Examine the diagram below. Name the geometric relationships of the angles below.



a.  $d$  and  $e$

b.  $e$  and  $h$

c.  $a$  and  $e$

d.  $c$  and  $d$