Corresponding Parts of Congruent Triangles

One of the most important skills when proving triangles congruent is the ability to identify, either through name or diagram, corresponding parts of two triangles.

Example

In the diagram, .

Name 3 pairs of corresponding angles:

Name 3 pairs of corresponding sides:

However, you do not need a diagram to identify corresponding parts…

Example

Given ,

Name 3 pairs of corresponding angles:

Name 3 pairs of corresponding sides:

Practice

Name 3 pairs of corresponding sides and angles AND properly mark the diagram.

1) **Given:**  2) **Given:** 

*Q*

*U*

R

*D*

*A*

*A*

*B*

*C*

*D*

Corresponding Sides and Angles Practice Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name 3 pairs of corresponding sides and angles AND properly mark the diagram.

1) **Given:** 

*A*

*B*

*C*

*D*

*M*

2) **Given:** 

*A*

*N*

*X*

*R*

*G*

3) **Given:** 

*C*

*B*

*E*

*D*

*A*

4) **Given:** 

*Q*

*U*

R

*D*

*A*

5) **Given:** 

*G*

*P*

*L*

*M*

*H*

*Q*

*J*

6) **Given:** 

*A*

*B*

*E*

*C*

*M*

*D*

7) **Given:** 

*T*

*I*

*D*

*O*

*R*

*E*