1. ΔHEY is congruent to ΔMAN by \_\_\_\_\_\_.

What **other** parts of the triangles are congruent **by CPCTC**?

**\_\_\_\_\_\_** ≅ \_\_\_\_\_\_

**\_\_\_\_\_\_** ≅ \_\_\_\_\_\_

H

**\_\_\_\_\_\_** ≅ \_\_\_\_\_\_

Y

E

N

A

M

2.

ΔCAT≅ \_\_\_\_\_\_, by \_\_\_\_\_

R

C

A

THEREFORE:

**\_\_\_\_\_\_** ≅ \_\_\_\_\_\_, by CPCTC

**\_\_\_\_\_\_** ≅ \_\_\_\_\_\_, by CPCTC

**\_\_\_\_\_\_** ≅ \_\_\_\_\_\_, by CPCTC

T

P

3.

**Given: ** and ****

4

3

A

R

C

2

1

**Prove: **

S

L

**Proof:**

1. ****

2. \_\_\_\_\_\_\_\_\_\_\_\_

3. ****

4. ΔLCA ≅ ΔSRA

5. ****

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Given

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. ΔHEY is congruent to ΔMAN by \_\_\_\_\_\_.

What **other** parts of the triangles are congruent **by CPCTC**?

**\_\_\_<E\_\_\_** ≅ \_\_\_<A\_\_\_

**\_\_\_EH\_\_\_** ≅ \_\_\_AM\_\_\_

H

**\_\_\_<Y\_\_\_** ≅ \_\_\_<N\_\_\_

Y

E

N

A

M

2.

ΔCAT≅ \_\_\_ΔRAP\_\_\_, by \_\_ASA\_\_\_

R

C

A

THEREFORE:

**\_\_\_<C\_\_\_** ≅ \_\_\_<R\_\_\_, by CPCTC

**\_\_\_CA\_\_\_** ≅ \_\_\_RA\_\_\_, by CPCTC

**\_\_\_A\_\_\_** ≅ \_\_\_A\_\_\_, by CPCTC

T

P

3.

**Given: ** and ****

4

3

A

R

C

2

1

**Prove: **

S

L

**Proof:**

1. ****

2. \_\_\_\_\_\_****\_\_\_\_\_\_

3. ****

4. ΔLCA ≅ ΔSRA

5. ****

1. \_\_\_Given\_\_\_\_\_\_\_\_\_\_

2. Given

3. \_\_\_Vertical Angles\_\_\_

4. \_\_\_\_AAS\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_CPCTC\_\_\_\_\_\_\_\_\_