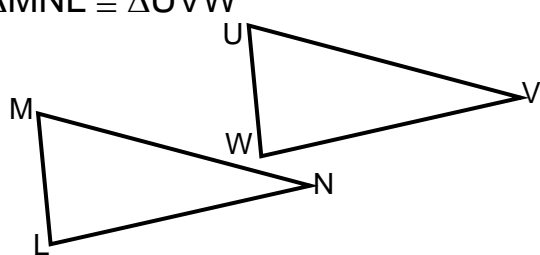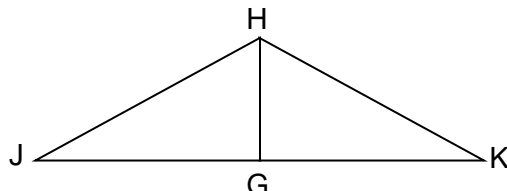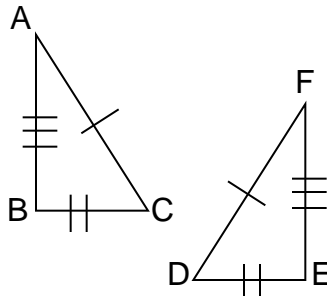NAME_____DATE_____PER._____

PARTS OF CONGRUENT TRIANGLES

Name the corresponding parts of these congruent triangles.

2 POINTS PER PART

1. Angles: Sides: $\triangle ABC \cong \triangle RST$

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

2. Angles: Sides: $\triangle HJK \cong \triangle MNQ$

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

3. Angles: Sides: $\triangle MNL \cong \triangle UVW$

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

4. Angles: Sides: $\triangle JGH \cong \triangle KGH$

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

    _____ ≅ _____   _____ ≅ _____

What information about the triangles is shown in these drawings?

3 POINTS PER PART

5. _____

    _____

    _____

3 POINTS PER PART

6. _____

_____

_____

Complete each correspondence statement.

10 POINTS EACH

7. ΔABC ≅ Δ_____

8. ΔGHK ≅ Δ_____

Find the value of 'x'.

10 POINTS EACH

9. x = _____

If ΔABC ≅ ΔDEF, and AB = 15, BC = 20, and FE = 3x − 7, then x = ?

10. x = _____

If ΔABC ≅ ΔDEF and DE = 10, EF = 13, and DF = 16, AND AC = 4x − 8, then x = ?