# 4-1 Practice

Practice

Congruent Figures

Each pair of polygons is congruent. Find the measures of the numbered angles.

1.
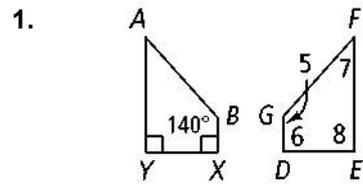
WXYZ □ *JKLM.* **List each of the following.**

2. four pairs of congruent sides
3. four pairs of congruent angles
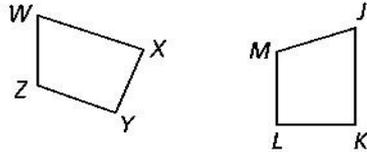
For Exercises 8 and 9, can you conclude that the triangles are congruent? Justify your answers.

4. □*GHJ* and □*IHJ*
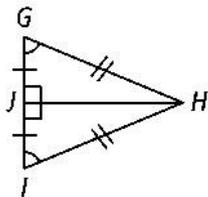
5. □*QRS* and □*TVS*
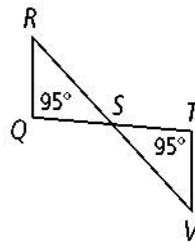
Algebra **Find the values of the variables.**

6.

74° (5x)°

(3x + 2)°

7.

2x   10
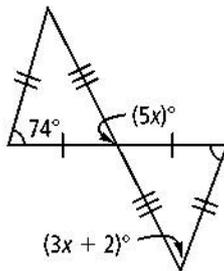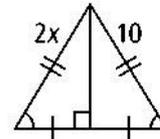
19. *LMNP* ≅ *QRST.*
Find the value of *x.*

M   Q   R
L   45°   (3x)°
   (5x)°   T
P   x°
        N
           S
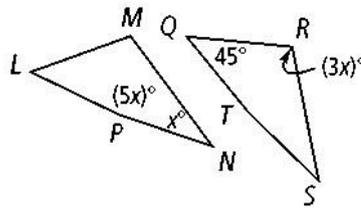
20. Given: $\overline{BD}$ is the angle
bisector of ∠*ABC.*

BD is the
perpendicular bisector of *AC* .

Prove: △*ADB* ≅ △*CDB*

B
A   C
   D