4-1 Skills Practice
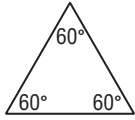
Classifying Triangles
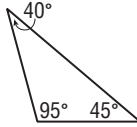
Classify each triangle as *acute, equiangular, obtuse,* or *right.*

1.
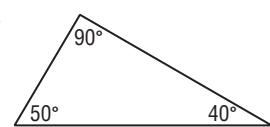

equiangular

2. 40°
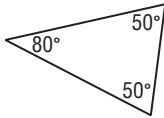95° 45°

obtuse

3. 90°
50° 40°

right

4. 50°
80°
50°

acute

5. 50°
30°
100°

obtuse

6. 70°
55° 55°
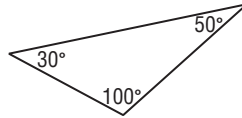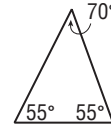
acute

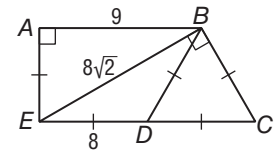Classify each triangle as *equilateral, isosceles,* or *scalene.*
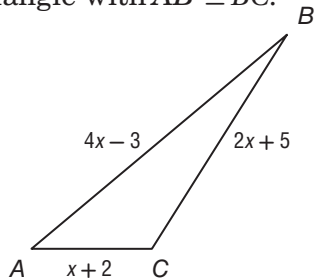

7. △ABE

scalene

8. △EDB

isosceles

9. △EBC

scalene

10. △DBC

equalateral
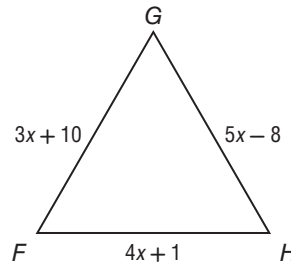
11. **ALGEBRA** Find x and the length of each side if △ABC is an isosceles triangle with $\overline{AB} \cong \overline{BC}$.
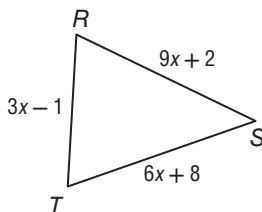

$x = 4; AB = BC = 13; AC = 6$

12. **ALGEBRA** Find x and the length of each side if △FGH is an equilateral triangle.
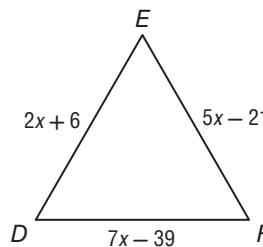

$x = 9; FG = GH = FH = 37$

13. **ALGEBRA** Find x and the length of each side if △RST is an isosceles triangle with $\overline{RS} \cong \overline{TS}$.

$x = 2; RS = ST = 20; RT = 5$

14. **ALGEBRA** Find x and the length of each side if △DEF is an equilateral triangle.

$x = 9; DE = EF = DF = 24$

Lesson 4-1