

Classifying Triangles by Sides and/or Angles

ANSWERS

- 1.A=scalene
- 2.B=isosceles
- 3.A=scalene
- 4.B=equilateral
- 5.B=isosceles
- 6.A=isosceles
- 7.A=scalene
- 8.C=scalene

Commented [1]: Good work!

Classify each triangle by its angles.

ANSWERS

9.B=obtuse

10.C=equiangular

11.A=obtuse

12.A=acute

13.A=right

14.C=obtuse

15.B=acute

16.B=right

Commented [2]: Recheck.

Classify each triangle by its angles and sides.

ANSWERS

- 17.C=acute scalene
- 18.B=equilateral
- 19.D=right isosceles
- 20.B=right scalene
- 21.B=obtuse scalene
- 22.D=right isosceles
- 23.C=acute scalene
- 24.B=obtuse scalene

Commented [3]: good work!

Classify each triangle by its angles and sides.

ANSWERS

25.B=obtuse scalene

26.A=acute isosceles

27.A=acute isosceles

28.D=obtuse isosceles

29.D=right scalene

30.C=obtuse isosceles

31.C=obtuse scalene

32.C=acute scalene

Commented [4]: Good work!

33. $d=5$; each side measures 7.

34. $x=6$; each side measure =16

35. $x=4$; $DE=11$; $EF=13$

36. $x=7$; $HF=12$; $GH=12$; $FG=12$

37. $x=3$; $LN=7$; $LM=7$; $NM=13$

38. $RS=74$; $ST=41$, $RT=85$; RST is scalene because the sides are all different measures.

39. $RS=13$; $ST=13$; $TR=4$; the triangle is isosceles because 2 sides are congruent.

40. $RS=5$; $ST=10$; $TR=17$; the triangle is scalene because all sides are different measures.