The New English School

Mathematics Department

Year 5

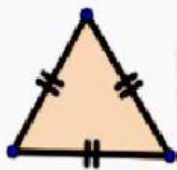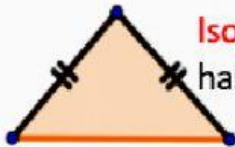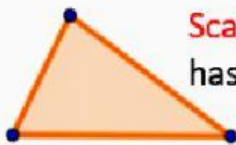| Name:	Date:
Worksheet # 2 (Types of Triangles) Week #	Framework Code: 5Gg.01 Learning Objective: Identify, describe, classify and sketch isosceles, equilateral or scalene triangles, including reference to angles and symmetrical properties.

Types of Triangles

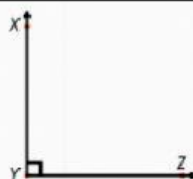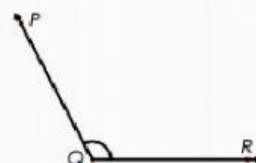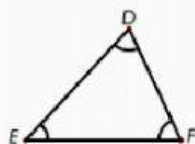| By Side	By Angle
Equilateral Triangle has three equal sides	**Acute triangle** has three angles < 90°
Isosceles Triangle has two equal sides	**Right triangle** has one angle = 90°
Scalene Triangle has no equal sides	**Obtuse triangle** has one angle > 90°

Triangles

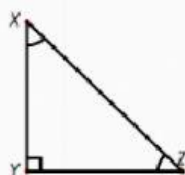An **acute angle** is less than 90°

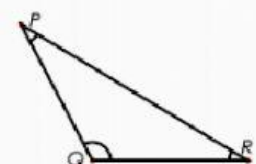A **right angle** is exactly 90°

An **obtuse angle** is greater than 90°

An **acute triangle** has 3 acute angles.

A **right triangle** has 1 right angle and 2 acute angles.

An **obtuse triangle** has 1 obtuse angle and 2 acute angles.

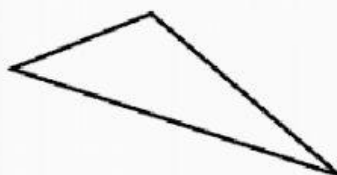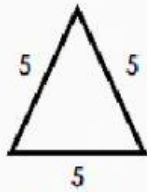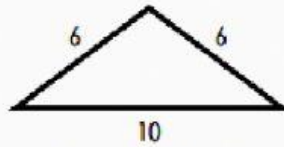**Q.1** Identify each type of triangle as **acute, right** or **obtuse**.

a.

_____

b.

_____
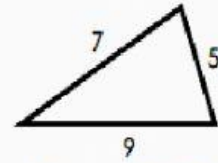
c.

_____

d.

_____

e.

_____

f.

_____

Equilateral Triangle All sides are the same length. 5, 5, 5	**Isosceles Triangle** At least 2 sides are the same length. 6, 6, 10	**Scalene Triangle** No sides are the same length. 7, 5, 9

Q.2 Name each triangle by the lengths of its sides.

a. 3 in., 5 in., 3 in.

b. 14 cm, 9 cm, 8 cm

_____

_____

Name each triangle pictured.

_____

_____

_____

_____