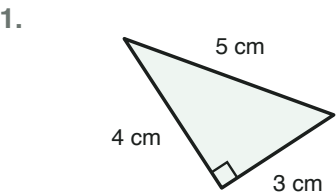


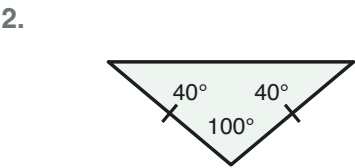
Types of Triangles: Practice

Name: \_\_\_\_\_

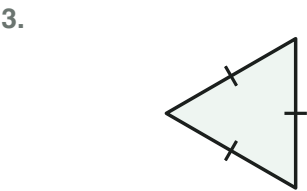
A. Write both names for each triangle: one for its angles and one for its sides.



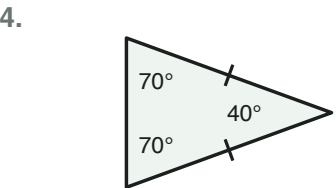
\_\_\_\_\_



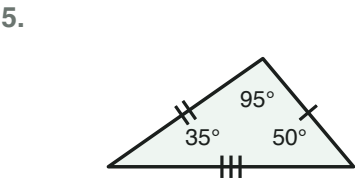
\_\_\_\_\_



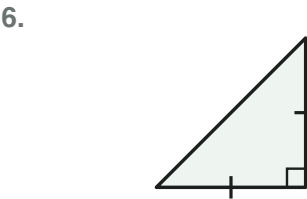
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



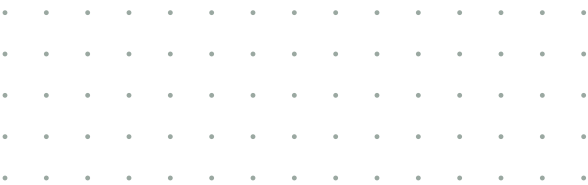
\_\_\_\_\_

B. Circle Always, Sometimes or Never.

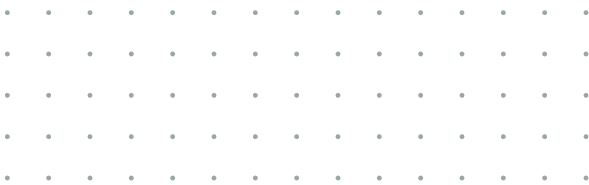
|                                             |                                       |                                          |                                      |
|---------------------------------------------|---------------------------------------|------------------------------------------|--------------------------------------|
| 7. An equilateral triangle is acute.        | <input type="button" value="Always"/> | <input type="button" value="Sometimes"/> | <input type="button" value="Never"/> |
| 8. A right triangle is scalene.             | <input type="button" value="Always"/> | <input type="button" value="Sometimes"/> | <input type="button" value="Never"/> |
| 9. A triangle has two right angles.         | <input type="button" value="Always"/> | <input type="button" value="Sometimes"/> | <input type="button" value="Never"/> |
| 10. An obtuse triangle is isosceles.        | <input type="button" value="Always"/> | <input type="button" value="Sometimes"/> | <input type="button" value="Never"/> |
| 11. A right triangle is equilateral.        | <input type="button" value="Always"/> | <input type="button" value="Sometimes"/> | <input type="button" value="Never"/> |
| 12. A scalene triangle has two equal sides. | <input type="button" value="Always"/> | <input type="button" value="Sometimes"/> | <input type="button" value="Never"/> |

C. Draw each triangle. Use the dots to help.

13. a right triangle that is also isosceles



14. an obtuse triangle that is also scalene

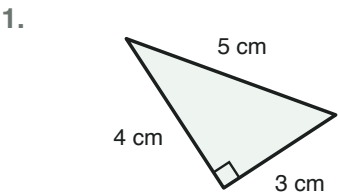


D. Leo says this is not a right triangle, because its square corner is at the top and not at the bottom. Is Leo correct? Explain.

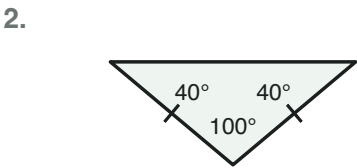
\_\_\_\_\_  
\_\_\_\_\_

# Types of Triangles: Practice Answer Key

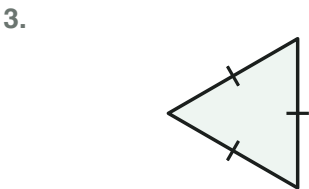
A. Write both names for each triangle: one for its angles and one for its sides.



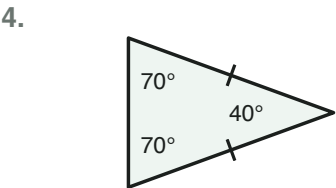
right scalene



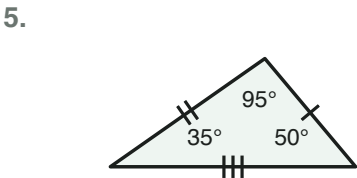
obtuse isosceles



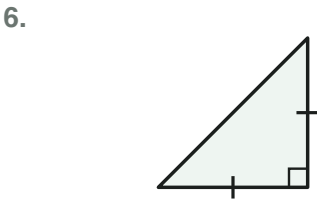
acute equilateral



acute isosceles



obtuse scalene

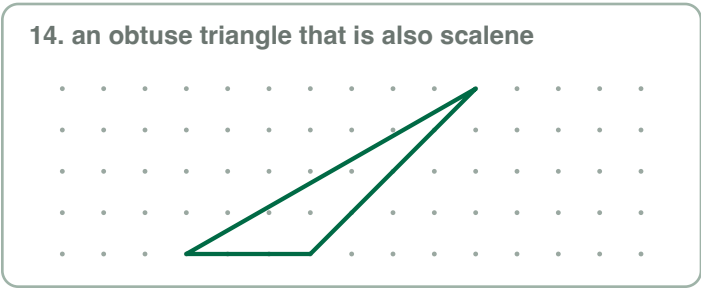
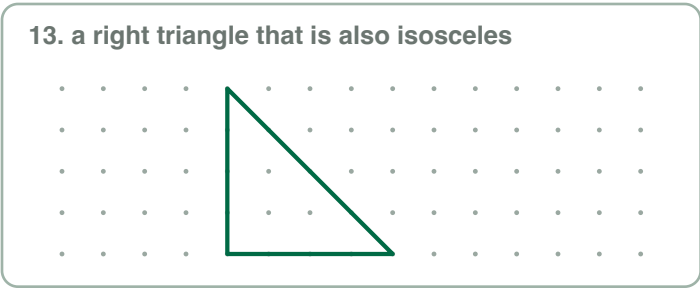


right isosceles

B. Circle Always, Sometimes or Never.

|                                                                                                        |                                         |                                            |                                        |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------|----------------------------------------|
| 7. An equilateral triangle is acute.<br>Each of its angles is 60°.                                     | <input checked="" type="radio"/> Always | <input type="radio"/> Sometimes            | <input type="radio"/> Never            |
| 8. A right triangle is scalene.<br>Its two shorter sides can be different lengths or the same length.  | <input type="radio"/> Always            | <input checked="" type="radio"/> Sometimes | <input type="radio"/> Never            |
| 9. A triangle has two right angles.<br>Two sides would point the same way and never meet.              | <input type="radio"/> Always            | <input type="radio"/> Sometimes            | <input checked="" type="radio"/> Never |
| 10. An obtuse triangle is isosceles.<br>The two sides beside the obtuse angle can be equal or not.     | <input type="radio"/> Always            | <input checked="" type="radio"/> Sometimes | <input type="radio"/> Never            |
| 11. A right triangle is equilateral.<br>Every angle of an equilateral triangle is 60°, so none is 90°. | <input type="radio"/> Always            | <input type="radio"/> Sometimes            | <input checked="" type="radio"/> Never |
| 12. A scalene triangle has two equal sides.<br>Scalene means no sides are equal.                       | <input type="radio"/> Always            | <input type="radio"/> Sometimes            | <input checked="" type="radio"/> Never |

C. Draw each triangle. Use the dots to help. Drawings will vary. Here is one that works for each.



D. Leo says this is not a right triangle, because its square corner is at the top and not at the bottom. Is Leo correct? Explain.

No. A right triangle is any triangle with one right angle. It does not matter where that angle is or which way the triangle is turned.