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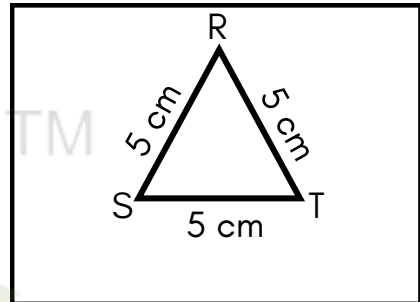
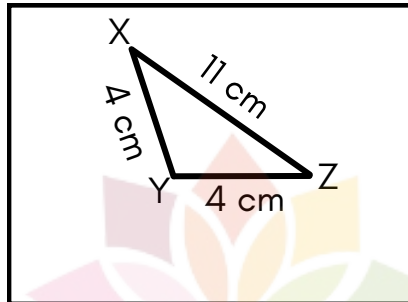
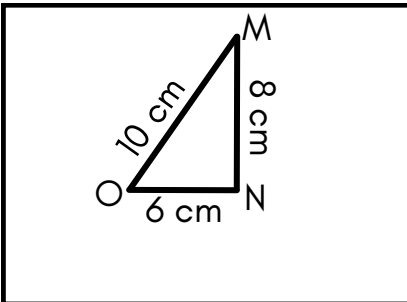
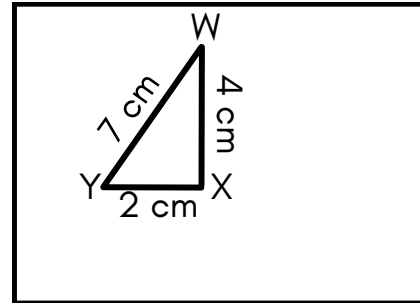
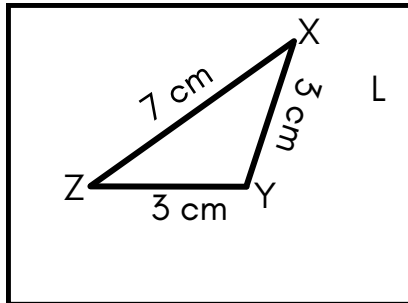
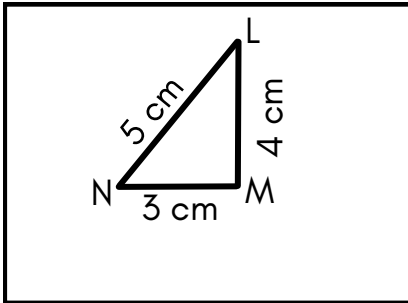
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Worksheet #5



TYPES OF TRIANGLES- BASED ON ANGLES & SIDES

Learning goal: Students will be able to classify triangles based on angles and sides.



Look at the triangle descriptions below. Write the type of triangle based on its sides.

1. A triangle with all sides of different lengths.
2. A triangle with exactly two sides of equal length.
3. A triangle with all three sides equal in length.

Look at the triangle descriptions below. Write the type of triangle based on the angle descriptions.

1. A triangle with one right angle (looks like an "L" corner).
2. A triangle with one angle larger than a right angle.
3. A triangle where all angles look smaller than a right angle.

Look at the triangle descriptions below. Write the type of triangle based on the sides and angle descriptions.

1. If a triangle has two equal sides and one right angle, what is it called?
2. A triangle has all sides different and one angle bigger than a right angle. What is it called?
3. What do you call a triangle with all three sides equal and all angles measuring 60° ?
4. If a triangle has one right angle and sides in the ratio 3:4:5, what type is it?
5. What is the name of a triangle that has one angle exactly 90 degrees and all sides of different lengths?

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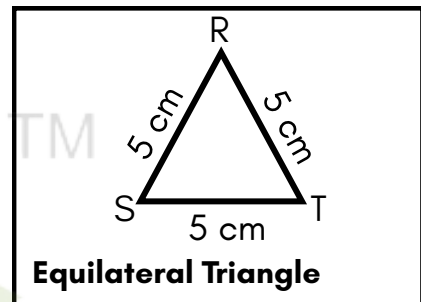
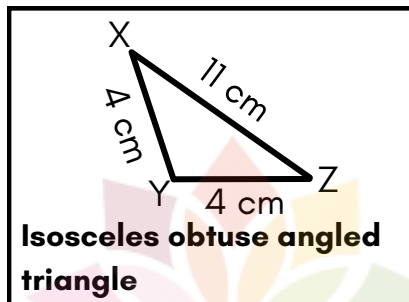
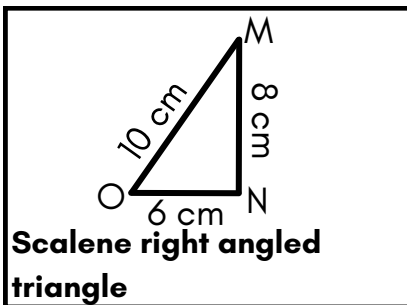
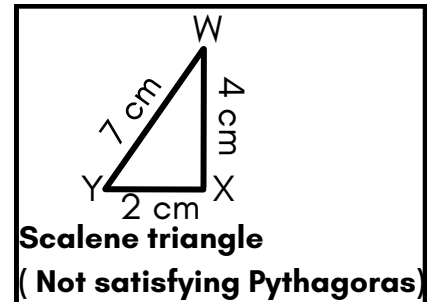
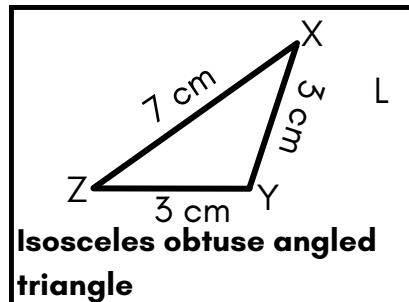
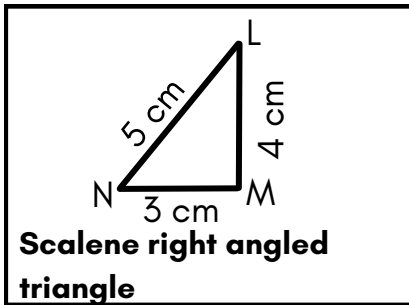
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Worksheet #5(Answers)



TYPES OF TRIANGLES- BASED ON ANGLES & SIDES

Learning goal: Students will be able to classify triangles based on angles and sides.



Look at the triangle descriptions below. Write the type of triangle based on its sides.

1. A triangle with all sides of different lengths. **Answer: Scalene**
2. A triangle with exactly two sides of equal length. **Answer: Isosceles**
3. A triangle with all three sides equal in length. **Answer: Equilateral**

Look at the triangle descriptions below. Write the type of triangle based on the angle descriptions.

1. A triangle with one right angle (looks like an "L" corner). **Answer: Right triangle**
2. A triangle with one angle larger than a right angle. **Answer: Obtuse triangle**
3. A triangle where all angles look smaller than a right angle. **Answer: Acute triangle**

Look at the triangle descriptions below. Write the type of triangle based on the sides and angle descriptions.

1. If a triangle has two equal sides and one right angle, what is it called?
Answer: An isosceles right triangle.
2. A triangle has all sides different and one angle bigger than a right angle. What is it called?
Answer: A scalene obtuse triangle.
3. What do you call a triangle with all three sides equal and all angles measuring 60° ?
Answer: An equilateral triangle (or equiangular triangle).
4. If a triangle has one right angle and sides in the ratio 3:4:5, what type is it?
Answer: A right-angled scalene triangle
5. What is the name of a triangle that has one angle exactly 90 degrees and all sides of different lengths?
Answer: A right-angled scalene triangle