Ms. Emmarie

Ms. Mary Ann

Room 9

6th Grade

Due: Thursday

April 11

6th Grade

Language Worksheets will be given on April 4th

Name _____ Date _____

Triangles' Angles

Acute Triangle—All angles measure less than 90 degrees.
Right Triangle—One angle measures 90 degrees.
Obtuse Triangle—One angle measures more than 90 degrees.
Equilateral Triangle—All angles measure the same.

All the angles in a triangle will add up to 180 degrees.

Mrs. Soto's math class has been given paper triangles, and the assignment is to classify the triangles and then to label all three angles. For each problem, there is a diagram of the triangle; name the type of triangle and label the diagram with the measurements of each angle.

A. Todd's triangle has one very large angle of 120 degrees. The other two angles measure the same.

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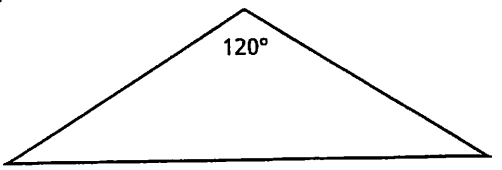

B. Carol's triangle has one angle that measures 75 degrees, a second angle that is 25 degrees less, and a third angle which is just a little larger.

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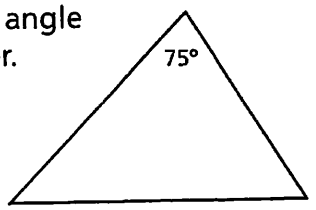

C. Heather's triangle has a right angle. The second angle is one-third of that measurement.

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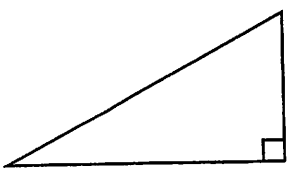

D. Ron's triangle has one angle that measures 35 degrees. Another angle is 70 degrees larger than that one.

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Name _____ Date _____

Assignment Triangles

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A. Dylan's triangle has two angles that measure 55 degrees and 35 degrees.

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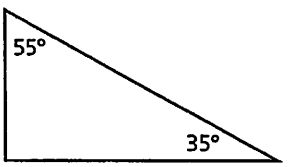

B. Kevin's triangle is tall and skinny. The top angle measures 35 degrees and the bottom two angles are equal.

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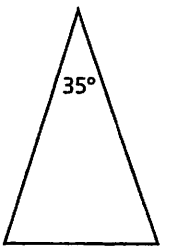

C. Kayla's triangle looks like a right triangle but when she measured the corner angle, it measured 95 degrees. The other two angles are 5 degrees apart in size.

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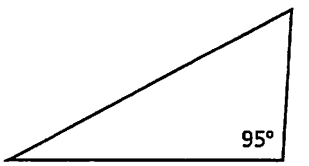

D. Rashid's triangle has equal sides and angles.

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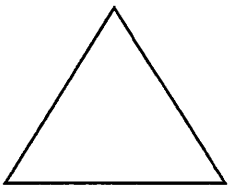
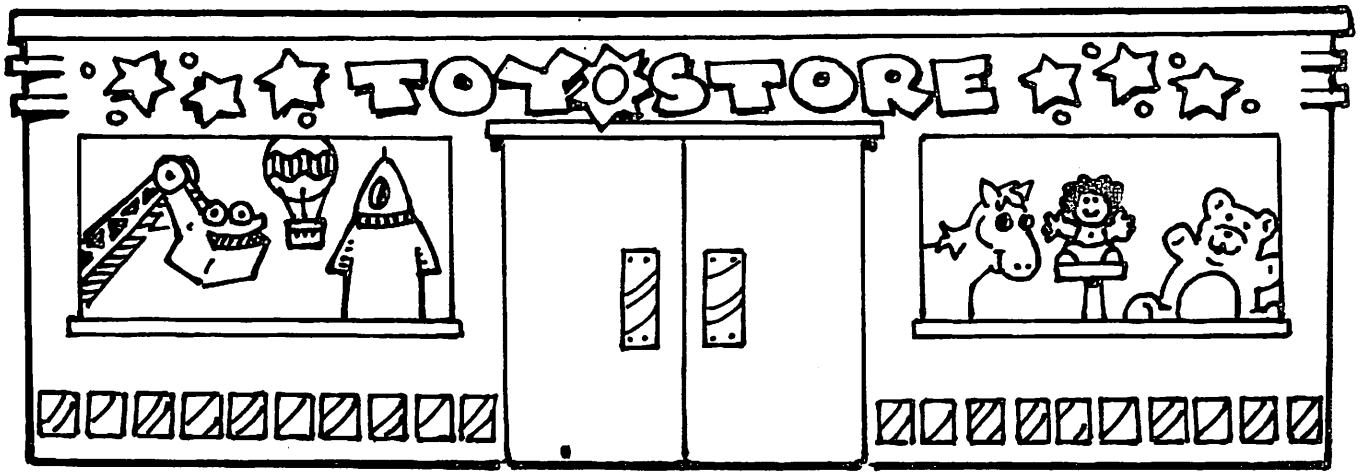


Name _____ Date _____

The Toy Store

Area of a rectangle = $l \times w$ Area of a triangle = $\frac{1}{2}$ bh



A. Sheri's mother owned a toy store and was moving into a larger building. The old store was 38 feet by 24 feet. The new store is 45 feet wide and has 2,385 square feet. How much larger is the new store than the old store?

B. Sheri's mother wants to use wallpaper over the office in the store. The office is a 12-foot square. The walls are 8 feet tall. How many square feet of wallpaper would be needed to cover two of the walls?

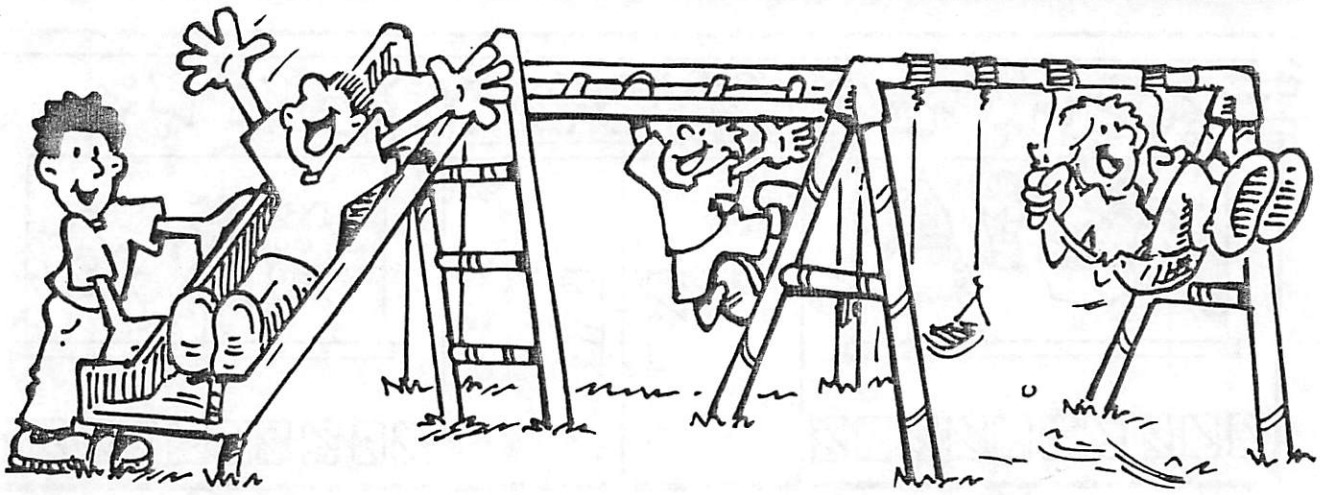
C. Sheri's mother wants to paint a large sailboat on one wall of the toy store. The sail of the boat will have a base of 8 feet and an area of 28 feet. What is the height of the sail?

D. On the front wall of the store, Sheri was going to paint large geometric shapes. She painted a circle, a square, and is now painting a triangle in bright blue. The height of the triangle is 5 feet. She wants to make the base the same as the square. The square has an area of 16 square feet. How long is the base of the triangle?

Name _____ Date _____

Playground

Area of a rectangle = $l \times w$ Area of a triangle = $\frac{1}{2}$ bh



Mr. O'Neil's class is studying area, and as a final assignment the class was going out to measure the area of playground equipment.

A. Mia and Martin were assigned to measure the area within the slide. The slide ladder is 12 feet tall. They calculated the area to be 108 square feet. How long was the area from the ladder to the bottom of the slide?

B. Jasmine and Howard found that the area inside the monkey bars was 70 feet. The monkey bars were 5 feet tall. How long were the monkey bars?

C. Charles and Miranda were measuring the area within the triangle formed by the poles holding up the swings. They found this area to be 56 square feet. The measurement between the bottoms of the poles was 7 feet. How long were the poles?

D. Aaron and Timothy were measuring the area of the swings. They found that the pole holding the swings was 21 feet and the area was 336 square feet. How tall were the swings?