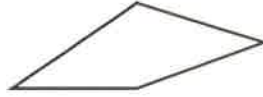


1pt

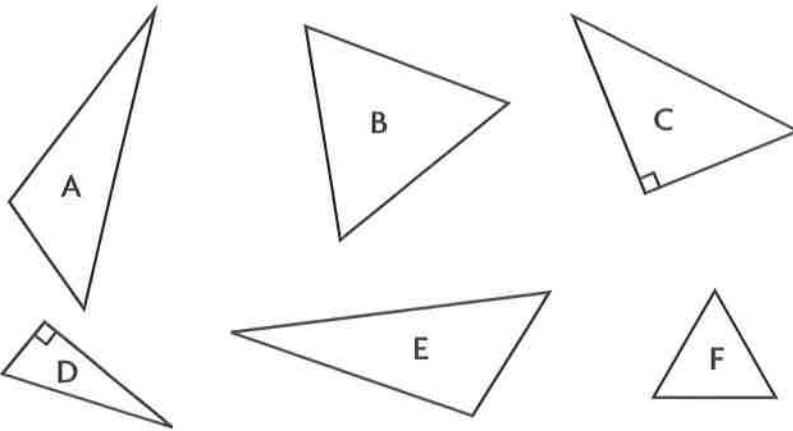
1. Tenley makes stained glass windows. She used this piece of stained glass in one of the windows. How many right angles does this piece of stained glass appear to have?



0 right angles

2. Write the letter of the triangle under its correct classification.

3pts possible



Acute Triangle	Obtuse Triangle	Right Triangle
B, F	A, E	C, D

1pt

1pt

1pt

3. Select the lengths that identify a scalene triangle. Mark all that apply.

1pt

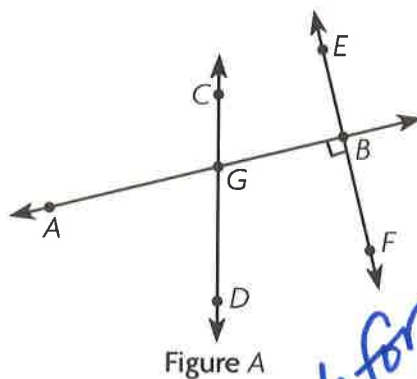
- A 2 inches, 4 inches, 4 inches
- B 7 feet, 7 feet, 7 feet
- C 12 meters, 5 meters, 16 meters
- D 6 feet, 3 feet, 6 feet
- E 4 meters, 2 meters, 3 meters

GO ON

4. Write the word that describes the part of Figure A written below.

5 pts possible

ray	line	line segment
acute angle	right angle	



\overline{AG} line segment

$\angle GBF$ right angle

\overleftrightarrow{EF} line

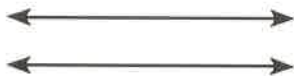
$\angle AGD$ acute angle

\overrightarrow{GC} ray

1 point each for correct description of each angle

5. What term best describes the figure shown below?

1pt



parallel lines

6. Debbie leaves for her trip to San Diego on the 13th day of February. Since February is the 2nd month, Debbie wrote the date as shown.

1pt

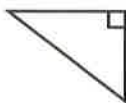
2 / 13

Debbie says all the numbers she wrote have line symmetry. Is she correct? Explain your thinking.

No; possible explanation: Debbie is incorrect. The number 2 does not have a line of symmetry because if it were cut out, there would be no way to fold it in half so that the two parts matched exactly.

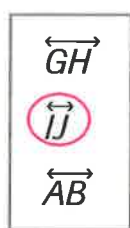


7. Jessica made a pennant that looks like a triangle. How can you classify the triangle based upon its angles?

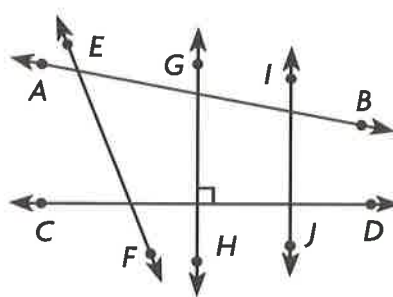
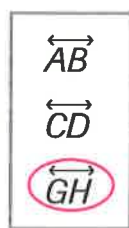


The triangle is a(n) right triangle.

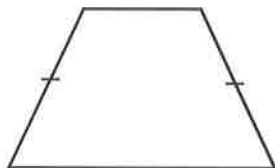
8. Choose the labels to make a true statement.



is parallel to



9. Classify the figure. Select all that apply.



- quadrilateral rhombus
 rectangle trapezoid
 parallelogram square

10. Alison has a sticker that looks like a quadrilateral that has 2 pairs of parallel sides, no equal sides, and no right angles. How can you classify the figure?

The quadrilateral is a parallelogram.

11. Match each figure with the correct number of lines of symmetry it has.

4pts possible

1pt for each correct match

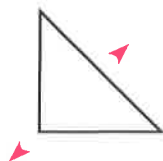
12. Martha used counters to make this pattern.

1pt

Use the counter shown to draw the missing part. ○

13. Margaret drew the figure below. Draw a line of symmetry on Margaret's figure.

1pt



14. Write the word or words that best describe this figure.

1pt



line segment

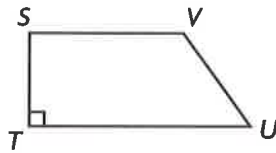
15. How many acute angles does an acute triangle have?

1pt

An acute triangle has 3 acute angles.



16. Lisa drew a figure with two sides perpendicular.
Write the pair of perpendicular sides. What figure is it?

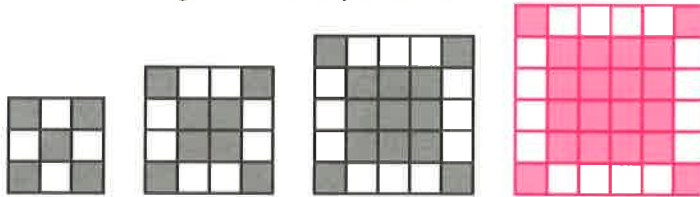


\overline{ST} is perpendicular to \overline{TU} ; the figure is a trapezoid.

17. Circle the letter that does not have line symmetry.

F E E T

18. Addison made this pattern by shading squares.
Draw the next figure in the pattern.



19. Leah drew Figure 1 and Sean drew Figure 2.

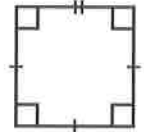


Figure 1

Figure 2

Part A - 1 pt

Leah says both figures are squares. Do you agree with Leah? Support your answer.

No. Possible answer: A square has opposite sides that are parallel, four sides equal in length, and four right angles. Figure 1 does not have four sides equal in length.

Part B - 1 pt

Sean says both figures are rectangles. Do you agree with Sean? Support your answer.

Yes. Possible answer: A rectangle has two pairs of opposite sides that are parallel and equal in length and 4 right angles. Both figures have opposite sides that are parallel, opposite sides that are equal in length, and 4 right angles.



20. Jared found the number of lines of symmetry for the figure.
How many lines of symmetry does it have?



1pt

2 lines of symmetry

21. Herb drew an equilateral triangle. One side of the triangle was 5 inches long. The other side of the triangle was 5 inches long. How long was the third side of the triangle Herb drew? Explain your reasoning.

2pts possible

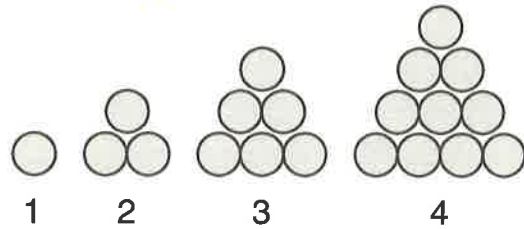
5 inches possible explanation: I know an equilateral triangle has 3 sides equal in length, so the third side must be the same length as the other two sides.

1pt for correct explanation

22. Jon drew the pattern shown.

3pts possible

Part A - 1pt



Describe the pattern.

Possible description: each figure has an additional number of circles equal to the figure number.

Part B - 1pt

Write a rule using numbers to find the number of circles in any figure in the pattern.

Possible rule: add all of the numbers together that are less than or equal to the figure number.

Part C - 1pt

Draw Figure 5.

