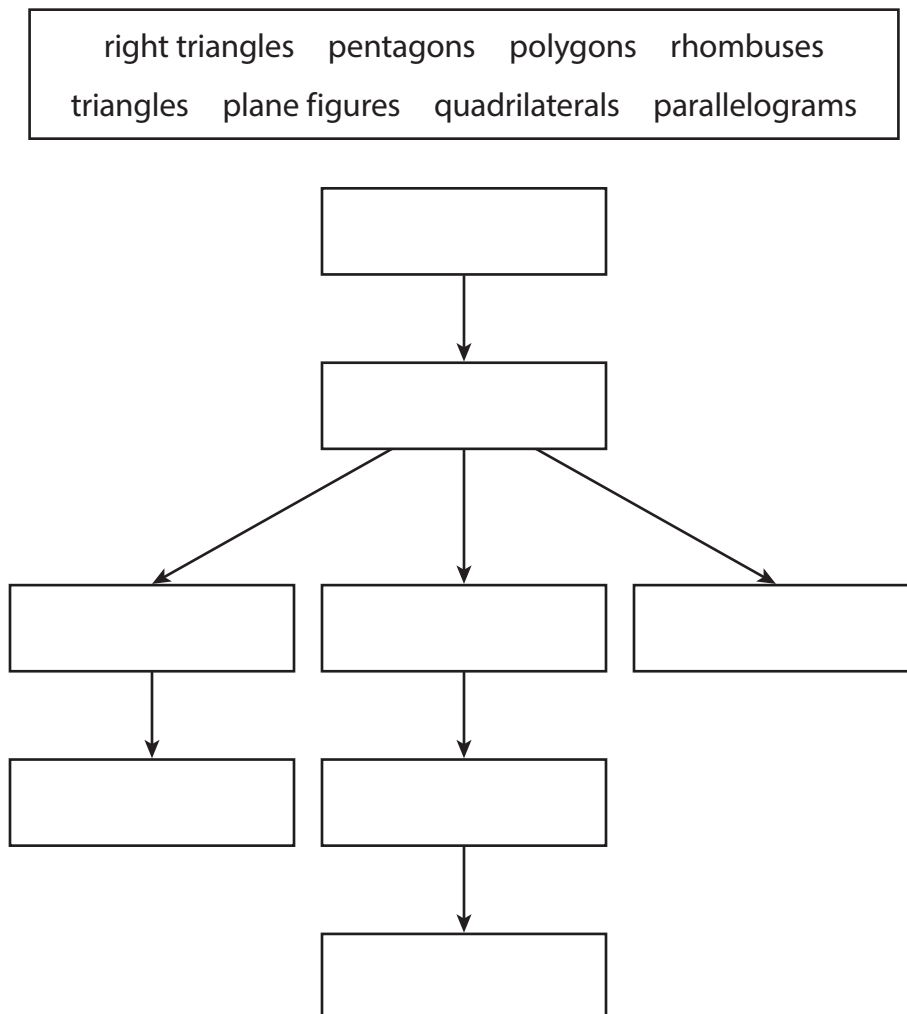


Ready® Mathematics**Lesson 30 Quiz****Solve the problems.**

- 1** Which of the following most specifically describes a rhombus?
- A** a plane figure that is a polygon
 - B** a quadrilateral with 2 pairs of parallel sides
 - C** a parallelogram with 4 sides of equal length
 - D** a polygon with four sides
- 2** Create a hierarchy using the categories below. Write a category in each box to complete the tree diagram.



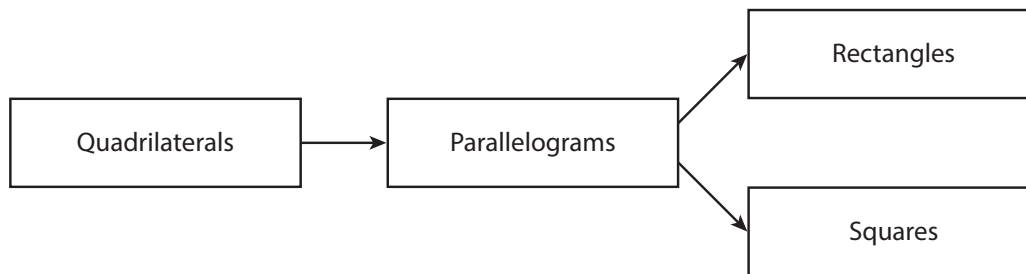
Lesson 30 Quiz continued

- 3** Fill in the blanks to write true statements about the relationship between different types of triangles. Use the words in the box below. Answer choices may be used more than once.

always	sometimes	never
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- An equilateral triangle is _____ an obtuse triangle.
- A right triangle is _____ an isosceles triangle.
- An equilateral triangle is _____ an isosceles triangle.
- An isosceles triangle is _____ a scalene triangle.
- An equilateral triangle is _____ an acute triangle.
- An obtuse triangle is _____ an acute triangle.

- 4** Robert uses the flow chart below to order quadrilaterals in a hierarchy.



Which statement correctly explains whether Robert's flow chart is correct or not?

- It is not correct because rectangles and squares are both parallelograms, but *Rectangles* is a more specific subcategory of *Squares*.
- It is not correct because squares and rectangles are both parallelograms, but *Squares* is a more specific subcategory of *Rectangles*.
- It is correct because squares and rectangles are both parallelograms, and squares and rectangles do not share any other properties.
- It is correct because squares and rectangles are both parallelograms, and squares and rectangles both have 4 right angles.

