

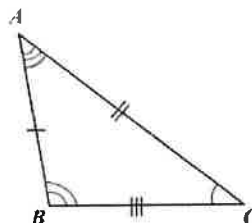
Name: Answer Key

Date: _____

Chapter 8 Review/Study Guide

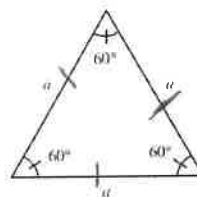
1. Which statement about the triangle is true?

- a) It is an acute triangle.
- b) It has one right angle.
- c) It has two equal sides.
- ☒ d) It has no equal sides.
- e) Both a and d



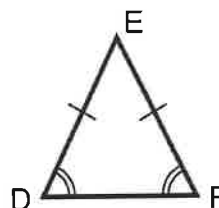
2. Which statement about the triangle is true?

- a) It is a right triangle.
- b) It is an acute triangle.
- c) It has no equal sides.
- d) It has three equal sides.
- ☒ e) Both b and d



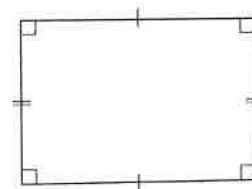
3. Which statement about the triangle is true?

- a) It has one right angle.
- ☒ b) It is an acute triangle.
- c) It has no equal sides.
- d) It has three equal sides.
- e) Both b and c



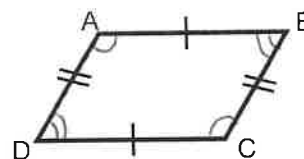
4. Which statement about the shape to the right is true?

- a) It has one pair of parallel sides.
- b) It has an obtuse angle.
- c) It has only two right angles.
- ☒ d) It does not have any acute angles.



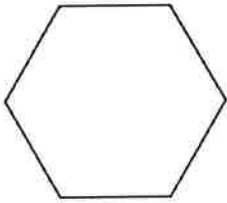
5. Which statement about the shape to the right is true?

- a) It has no equal angles.
- b) Each side has a different length.
- ☒ c) There are two sets of parallel sides.
- d) It is a rhombus.



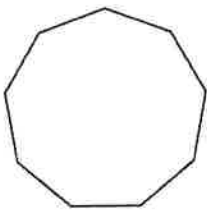
Label each polygon below – copy the label correctly from this list: decagon, dodecagon, heptagon, hexagon, nonagon, octagon, pentagon

6.



hexagon

7.



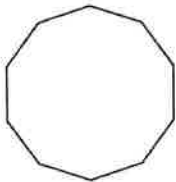
nonagon

8.



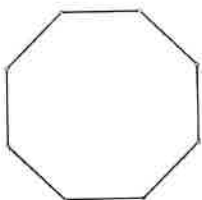
heptagon

9.



decagon

10.



octagon

11. Put an x in each box for the shapes that are parallelograms:

- ☐ pentagon
- ☒ rectangle
- ☒ rhombus
- ☐ circle
- ☒ square
- ☐ trapezoid

12. Fill in the blanks for the definitions of each type of triangle:

Isosceles triangles have 2 equal side(s) and 2 equal angle(s).

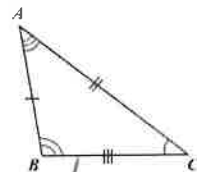
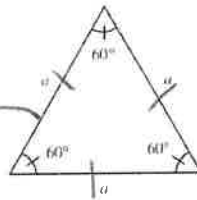
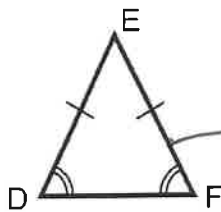
Equilateral triangles have 3 equal side(s) and 3 equal angle(s).

Scalene triangles have no equal side(s) and no equal angle(s).

13. A quadrilateral with two pairs of congruent sides and four congruent angles is a:

- a) square
- ☒ b) rectangle
- c) parallelogram
- d) rhombus

14. Draw a line to match each triangle to its correct name.



Equilateral triangle

Isosceles triangle

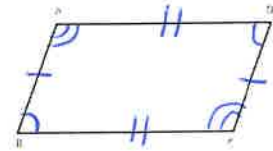
Scalene triangle

Answer questions 15, 16, and 17 about the figure to the right:

15. The figure has 2 pairs of congruent lines (side lengths).

16. The figure has 2 pairs of congruent angles.

17. The figure is not a regular polygon.
Write "**a regular**" or "**not a regular**" on the line above.

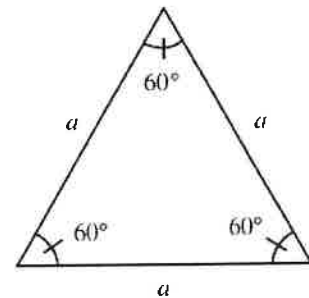


Answer questions 18, 19, and 20 about the figure to the right:

18. The figure has 3 congruent lines (side lengths).

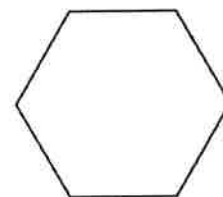
19. The figure has 3 congruent angles.

20. The figure is a regular polygon.
Write "**a regular**" or "**not a regular**" on the line above.



21. Describe the shape to the right using at least 4 words and/or phrases from the word bank.

angle	not a regular	rectangle	side
equal	pentagon	regular	triangle
hexagon	polygon	scalene	unequal



The shape is a hexagon.
It is a regular polygon because all of the angles
and sides are congruent, or equal.