<b>Tutor-USA.com</b>	Worksheet
Geometry	
<b>Classifying Quadril</b>	aterals

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## In exercises 1-5, first complete the statement then sketch the figure in your answer.

1) A \_\_\_\_\_\_ is a quadrilateral with both pairs of opposite sides parallel.

- 2) A \_\_\_\_\_\_ is a parallelogram with four congruent sides.
- 3) A \_\_\_\_\_\_ is a parallelogram with four right sides.

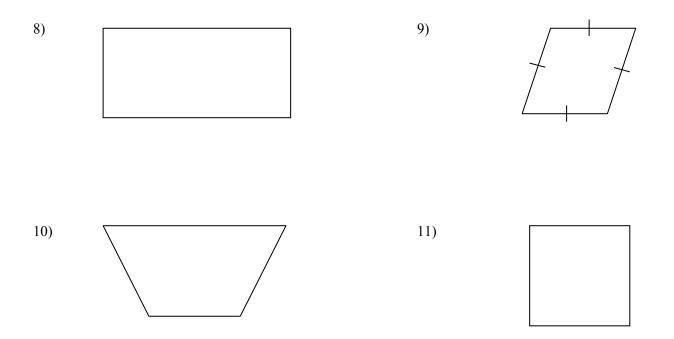
4) A \_\_\_\_\_\_ is a parallelogram with four congruent sides and four right angles.

- 5) A \_\_\_\_\_\_ is a quadrilateral with two pairs of congruent adjacent sides congruent and no congruent opposite sides.
- 6) A \_\_\_\_\_\_\_ is a quadrilateral with exactly one pair of parallel sides.

7) An \_\_\_\_\_\_ is a trapezoid whose nonparallel opposite sides are congruent.

## **Tutor-USA.com Worksheet**

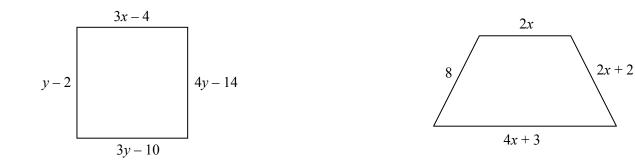
Judging by appearance, classify each quadrilateral in as many ways possible.



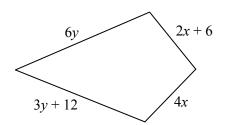
## Find the values of the variables. Then find the lengths of the sides.

12) Square

13) Isosceles Trapezoid



14) Kite



## Answer Key

1-7) Drawings will vary. Check students work.

- 1) Parallelogram
- 2) Rhombus
- 3) Rectangle
- 4) Square
- 5) Kite
- 6) Trapezoid
- 7) Isosceles trapezoid
- 8) parallelogram, rectangle
- 9) parallelogram, rhombus
- 10) trapezoid, isosceles trapezoid
- 11) rectangle, rhombus, square
- 12) y = 4, x = 2; 2, 2, 2, 2
- 13) x = 3; 8, 6, 8, 15
- 14) x = , y = 4; 24, 12, 12, 24