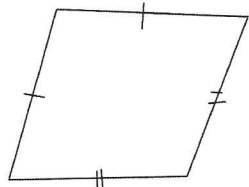


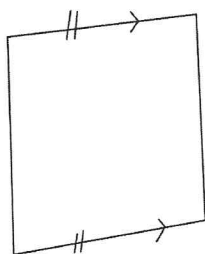
Geometry Review for Sec 6-1 to 6-4 Spring 2014

Give the best name for each quadrilateral.

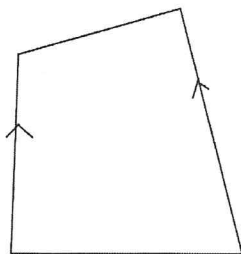
1.



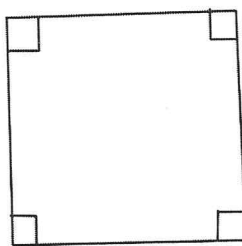
2.



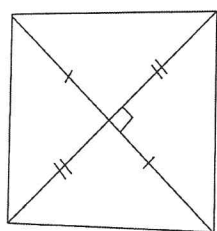
3.



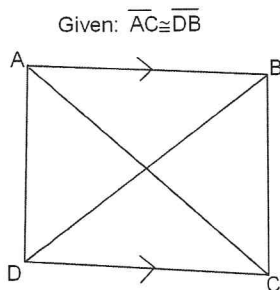
4.



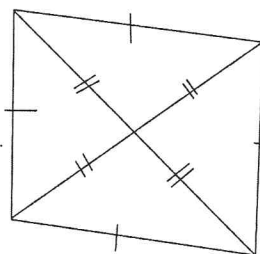
5.



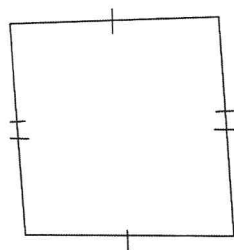
6.



7.

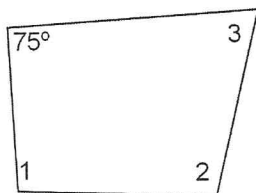


8.

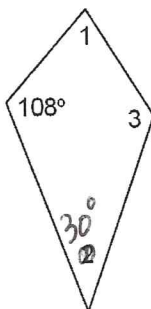


Find the measure of each numbered angle in each figure.

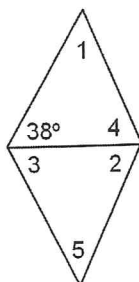
9. Parallelogram



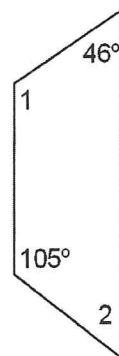
~~10. Kite~~



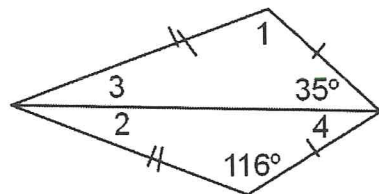
11. Rhombus



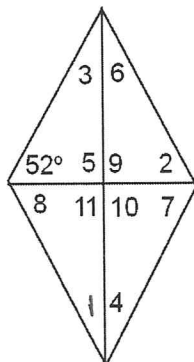
~~12. Trapezoid~~



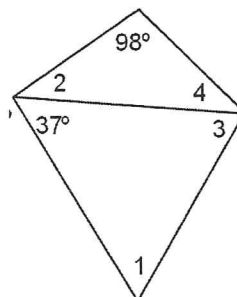
~~13. Kite~~



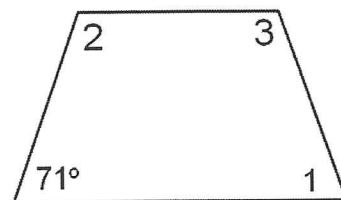
14. Rhombus



~~15. Kite~~



~~16. Isosceles Trapezoid.~~

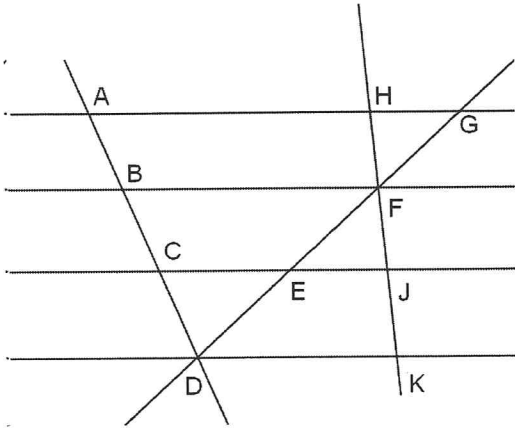


17. Given:

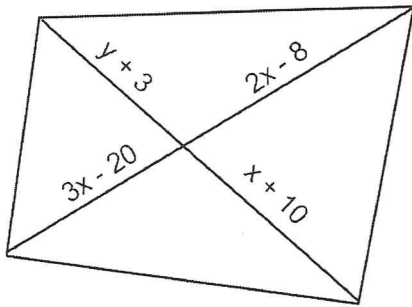
- The four horizontal lines are parallel
- $AB=BC=CD$ and $EG=12$, $JK=4$, $AD=15$

Find the given lengths.

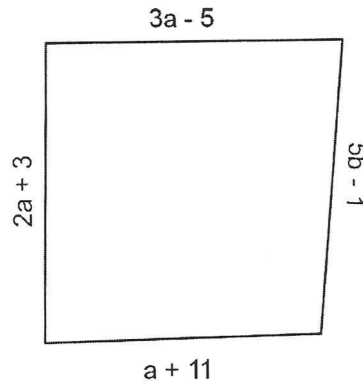
$HF=$ $BD=$ $ED=$ $FK=$ $GD=$



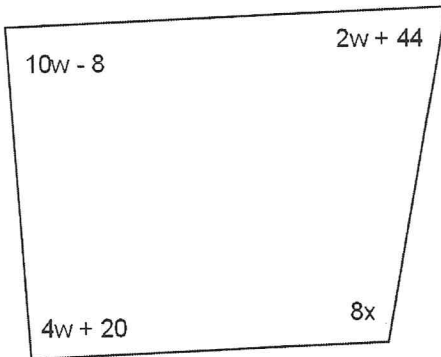
18. For what value of the variables is the figure a Rectangle?



19. For what value of the variables is the figure a Rhombus?



20. For what value of the variables is the figure a Parallelogram?



For the remaining problems use slope, distance, midpoint and the properties of the sides and diagonals to give the BEST name for the quadrilateral. (Parallelogram, Rhombus, Rectangle, Square, or just a Quadrilateral)

- Quad ABCD $A(4,5)$ $B(-4,8)$ $C(-7,0)$ $D(1,-3)$
- Quad EFGH $E(-4,-3)$ $F(3,-7)$ $G(2,1)$ $H(-5,5)$
- Quad JKLM $J(6,1)$ $K(-4,3)$ $L(-1,-7)$ $M(9,-9)$
- Quad PQRS $P(5,-3)$ $Q(-4,0)$ $R(-2,6)$ $S(7,3)$

Geometry Review for Sec 6-1 to 6-4 **ANSWERS** Spring 2014

1. Kite 2. Parallelogram 3. Trapezoid 4. Rectangle 5. Rhombus 6. Isosceles Trapezoid
7. Square 8. Parallelogram 9. $\angle 1, 3 = 105^\circ, \angle 2 = 75^\circ$ 10. $\angle 1 = 114^\circ, \angle 3 = 108^\circ$
11. $\angle 1, 5 = 104^\circ, \angle 2, 3, 4 = 38^\circ$ 12. $\angle 1 = 134^\circ, \angle 2 = 75^\circ$ 13. $\angle 1 = 116^\circ, \angle 2, 3 = 29^\circ, \angle 4 = 35^\circ$
14. $\angle 1, 3, 4, 6 = 38^\circ, \angle 2, 7, 8 = 52^\circ, \angle 5, 9, 10, 11 = 90^\circ$ 15. $\angle 1 = 102^\circ, \angle 2, 4 = 41^\circ, \angle 3 = 37^\circ$
16. $\angle 71 = \circ, \angle 2, 3 = 109^\circ$ 17. $HF=4, BD=10, ED=6, FK=8, GD=18$
18. $x = 12, y = 19$ 19. $a = 8, b = 4$ 20. $w = 12, x = 14$
21. Square 22. Rhombus 23. Parallelogram 24. Rectangle

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