Geometry Chapter 6 Final Exam Review Spring 2014

Use Slope, Distance, and Midpoint Formulas to perform a coordinate proof and give the best name for each quadrilateral.

1. Quad ABCD $A(-12,20)$ $B(-24,-8)$ $C(4,-20)$ $D(16,8)$

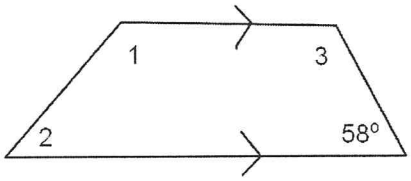
2. Quad EFGH $E(15,9)$ $F(18,-6)$ $G(-12,-12)$ $H(-15,3)$

3. Quad JKLM $K(-5,15)$ $K(35,20)$ $L(15,-15)$ $M(-25,-20)$

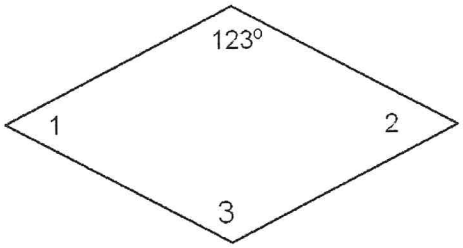
4. Quad WXYZ $W(22,2)$ $X(12,12)$ $Y(-8,-8)$ $Z(20,-12)$

Find the measure of as many of the numbered angles as you can in each figure.

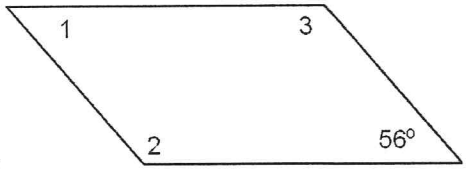
5. Trapezoid



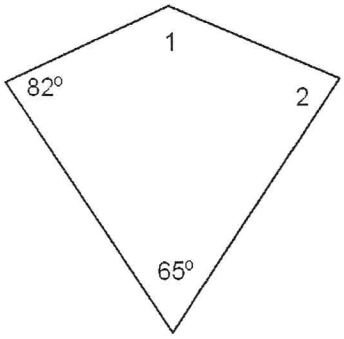
6. Rhombus



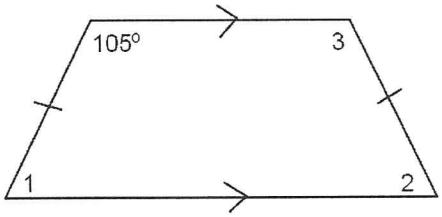
7. Parallelogram



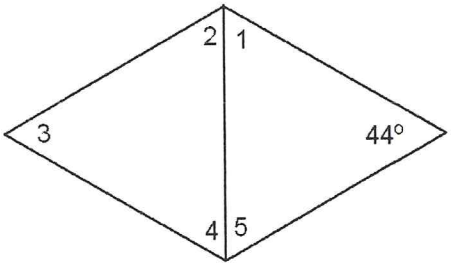
8. Kite



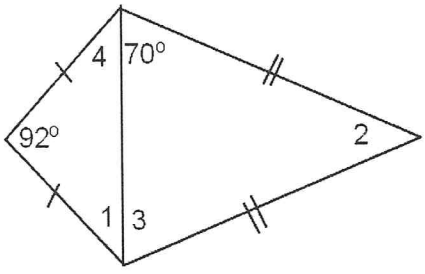
9. Isosceles Trapezoid



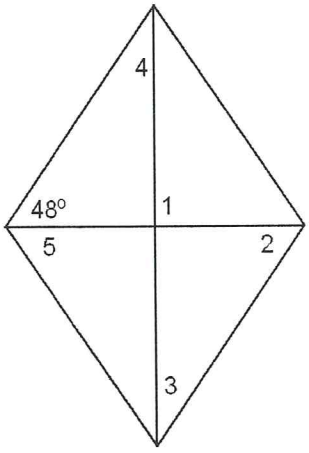
10. Rhombus



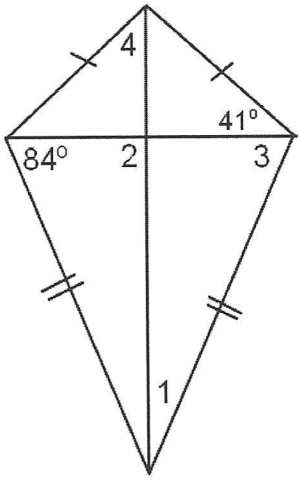
11. Kite



12. Rhombus

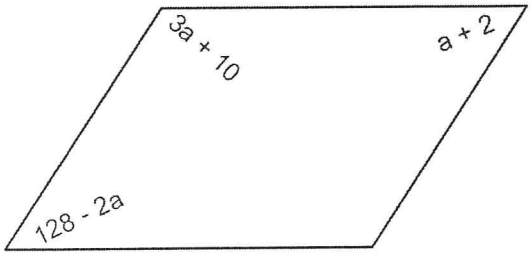


13. Kite.

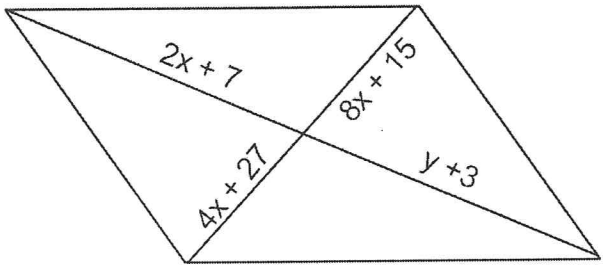


14. For what value of the variable is the figure a parallelogram?

a)



b)



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