Geometry (G.CO.11) Name: _____

Unit One B – Special Parallelograms #1 (HW44) Date: _____ Period: _____

Name all the quadrilaterals (parallelogram, rectangle, rhombus, or square) that have each property.

1. All angles are congruent.

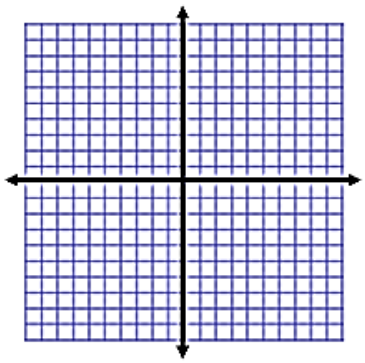
2. Both pairs of opposite sides are parallel.

3. All sides are congruent.

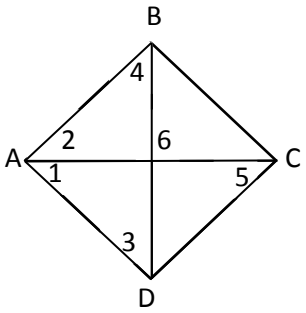
4. Both pairs of opposite sides are congruent.

5. It is equiangular and equilateral.

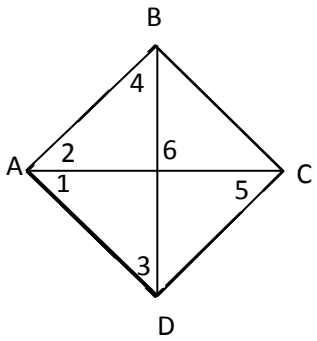
6. Determine whether ABCD is a parallelogram, rectangle, rhombus, or square. List all that apply. A(-1,0), B(1,0), C(3,5), D(1,5).



7. Use rhombus ABCD and the given information to solve each problem. If m∠ $3 = 62^{0}$. Find m∠1, m∠4, and m∠6.



8. Use rhombus ABCD and the given information to solve. If m∠ 3 = (2x + 30)° and m∠$4 = 3x - 1$. Find x.

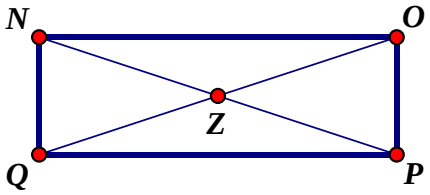


9. Rectangle NOPQ

m∠PNO = 25°

m∠QNO = _____ m∠NPQ = _____

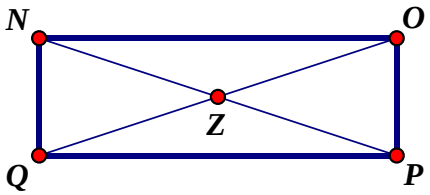
m∠QNP = _____ m∠NPO = _____



10. Rectangle NOPQ

NZ = 3x + 6 QO = 10x – 8

x = _____ QO = _____



11. Square MJKL

m∠MJL = _____ m∠KGL = _____