

Assignment 6.5

1. What kind of angles are formed by the diagonals of a rhombus?

A. acute B. obtuse C. right D. complementary E. supplementary

2. In a rhombus, the diagonals of a rhombus bisect each pair of opposite angles.

A. True B. False

3. PRYZ is a rhombus. If $RK = 5$, $PY = 24$, $RY = 13$ and $m\angle YRZ = 67^\circ$, find each measure.

(a) KY

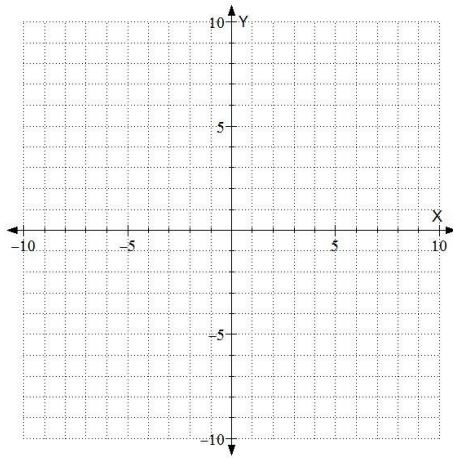
(b) PK

(c) $m\angle YKZ$

(d) $m\angle PZR$

4. Given the set of vertices, determine whether parallelogram BEFG is a rhombus, a rectangle, or a square. Is the parallelogram a rhombus, rectangle, and/or square? List all that apply.

$B(-9, 1)$, $E(2, 3)$, $F(12, -2)$, $G(1, -4)$



5. Given the set of vertices, determine whether parallelogram BEFG is a rhombus, a rectangle, or a square. Is the parallelogram a rhombus, rectangle, and/or square? List all that apply.

$B(1, 3)$, $E(7, -3)$, $F(1, -9)$, $G(-5, -3)$

