

NAME: _____

1. 010919a, P.I. G.G.39
Which statement is *false*?
[A] All squares are rhombuses.
[B] All rectangles are parallelograms.
[C] All parallelograms are quadrilaterals.
[D] All rectangles are squares.
2. 060106a, P.I. G.G.38
Which statement is *not* always true about a parallelogram?
[A] The opposite sides are congruent.
[B] The opposite angles are congruent.
[C] The opposite sides are parallel.
[D] The diagonals are congruent.
3. 060526a
Which quadrilateral must have diagonals that are congruent and perpendicular?
[A] trapezoid [B] square
[C] rhombus [D] parallelogram
4. 080918ge, P.I. G.G.41
A quadrilateral whose diagonals bisect each other and are perpendicular is a
[A] parallelogram [B] rectangle
[C] rhombus [D] trapezoid
5. 080517a, P.I. G.G.41
In a certain quadrilateral, two opposite sides are parallel, and the other two opposite sides are *not* congruent. This quadrilateral could be a
[A] trapezoid [B] rhombus
[C] square [D] parallelogram
6. 010721a
A set of five quadrilaterals consists of a square, a rhombus, a rectangle, an isosceles trapezoid, and a parallelogram. Lu selects one of these figures at random. What is the probability that both pairs of the figure's opposite sides are parallel?
[A] $\frac{4}{5}$ [B] $\frac{3}{4}$ [C] $\frac{2}{5}$ [D] 1

[1] D

[2] D

[3] B

[4] C

[5] A

[6] A