In the xy coordinate plane, line L and line K intersect at the point (4,3). Is the product of their slopes negative?

- (1) The product of the x-intersects of lines L and K is positive.
- (2) The product of the y-intersects of lines L and K is negative.

2

Lines n and p lie in the xy-plane. Is the slope of line n less than the slope of line p?

- (1) Lines n and p intersect at the point (5, 1).
- (2) The y-intercept of line n is greater than the y-intercept of line p.

3

Circle C is in the xy-plane, what is the area of the circle?

- (1) Points (-2, 0) and (0,2) lie on the circle.
- (2) The radius of the circle is equal to or less than $2^{(1/2)}$.

4

In the xy-plane, a parabola intersects with axis-y at point (0,y). Is y < 0?

- (1) The vertex of parabola is (2,-5)
- (2) The parabola intersects with axis-x at point (-2,0) and (6,0)

5

Line m passes through the origin. Line l is parallel to line m. What are the equations of the two lines?

- (1) The horizontal distance between the two lines is 5 units.
- (2) Line I has a y-intercept of 2.5