

Name:

Date:

1 : If  $2ax - 5x = 2$ , then  $x$  is equivalent to

- (1)  $\frac{2 + 5a}{2a}$                       (3)  $\frac{2}{2a - 5}$   
 (2)  $\frac{1}{a - 5}$                       (4)  $7 - 2a$

2 : The graphs of the equations  $y = 2x$  and  $y = -2x + a$  intersect in Quadrant I for which values of  $a$ ?

- (1)  $0 < a < 1$   
 (2)  $a < 1$   
 (3)  $a \geq 1$   
 (4)  $a > 1$

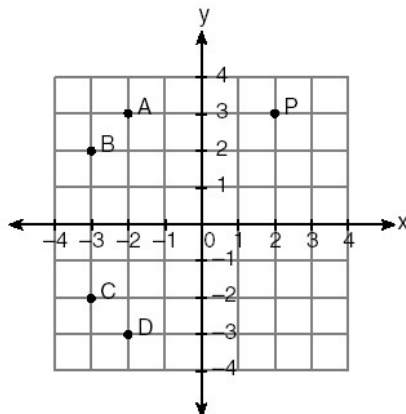
3 : The lines  $3y + 1 = 6x + 4$  and  $2y + 1 = x - 9$  are

- (1) parallel  
 (2) perpendicular  
 (3) the same line  
 (4) neither parallel nor perpendicular

4 : An equation of the line that has a slope of 3 and a  $y$ -intercept of  $-2$  is

- (1)  $x = 3y - 2$                       (3)  $y = -\frac{2}{3}x$   
 (2)  $y = 3x - 2$                       (4)  $y = -2x + 3$

5 : In the accompanying graph, if point  $P$  has coordinates  $(a, b)$ , which point has coordinates  $(-b, a)$ ?



- (1) A                      (3) C  
 (2) B                      (4) D