

Name:

Date:

1: Which number is irrational?

- (1)  $\sqrt{9}$                       (3) 0.3333  
 (2)  $\sqrt{8}$                       (4)  $\frac{2}{3}$

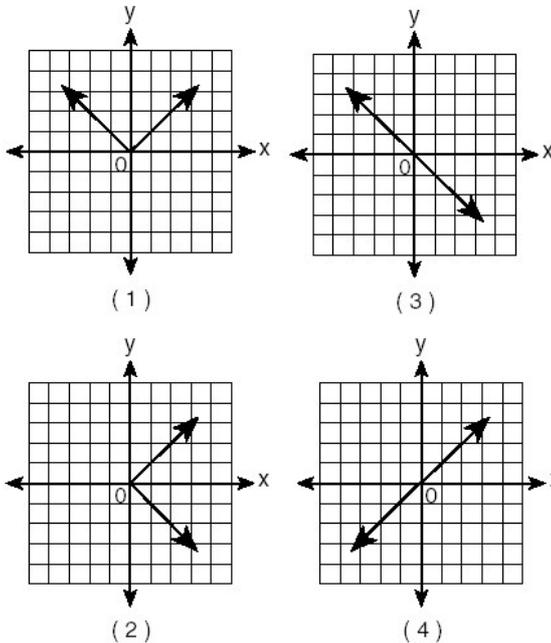
2: Which equation illustrates the associative property of addition?

- (1)  $x + y = y + x$               (3)  $(3 + x) + y = 3 + (x + y)$   
 (2)  $3(x + 2) = 3x + 6$         (4)  $3 + x = 0$

3: The expression  $8^{-4} \cdot 8^6$  is equivalent to

- (1)  $8^{-24}$                       (3)  $8^2$   
 (2)  $8^{-2}$                       (4)  $8^{10}$

4: Which graph is symmetric with respect to the  $y$ -axis?



5: 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)  $y = -2x + 3$