

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

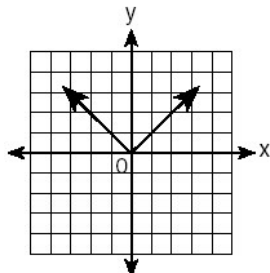
(1) 8^{-24}

(3) 8^2

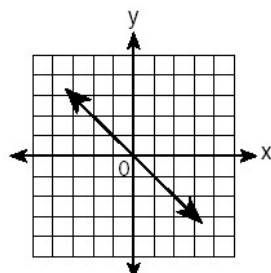
(2) 8^{-2}

(4) 8^{10}

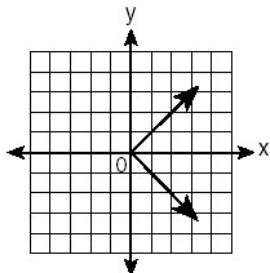
4: Which graph is symmetric with respect to the y -axis?



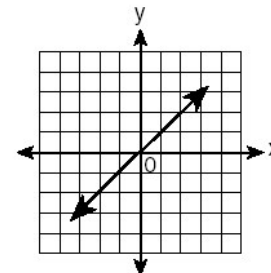
(1)



(3)



(2)



(4)

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) $y = -2x + 3$