

## Properties of Real Numbers Assignment

Match the appropriate Property with the correct example.

\_\_\_\_\_ 1.  $4 + 5 + 6 = 6 + 4 + 5$

\_\_\_\_\_ 2.  $a \times (0) = 0$

\_\_\_\_\_ 3.  $2 \times (1/2) = 1$

\_\_\_\_\_ 4.  $(a) \times (d) = (d) \times (a)$

\_\_\_\_\_ 5.  $(8 + 2) + 4 = 8 + (2+4)$

\_\_\_\_\_ 6.  $8 \times (1) = 8$

\_\_\_\_\_ 7.  $42 - 6a = 6(7-a)$

\_\_\_\_\_ 8.  $a + 0 = a$

- a. additive identity
- b. commutative property of addition
- c. associative property of addition
- d. multiplicative inverse
- e. multiplicative identity
- f. commutative property of multiplication
- g. distributive property
- h. associative property of multiplication
- i. multiplicative property of zero

## Properties of Real Numbers Assignment

Name the property shown by each statement:

1.  $17 + 22 = 22 + 17$  \_\_\_\_\_
2.  $12 \times 46 = 46 \times 12$  \_\_\_\_\_
3.  $89 + 0 = 89$  \_\_\_\_\_
4.  $89 \times 1 = 89$  \_\_\_\_\_
5.  $89 \times 0 = 0$  \_\_\_\_\_
6.  $(8 + 4) + 5 = 8 + (4 + 5)$  \_\_\_\_\_
7.  $(43 \times 2) \times 5 = 43 \times (2 \times 5)$  \_\_\_\_\_

Find the additive inverse of each number.

1. 15
2. -27
3.  $\frac{7}{9}$
4.  $-\frac{9}{16}$
5. 0

Find the multiplicative inverse of each number.

1. 15
2. -27
3.  $\frac{7}{9}$
4.  $-\frac{9}{16}$
5. 1

# Properties of Real Numbers Assignment

## ANSWERS:

Match the appropriate Property with the correct example.

  **b**   1.  $4 + 5 + 6 = 6 + 4 + 5$

  **i**   2.  $a \times (0) = 0$

  **d**   3.  $2 \times (1/2) = 1$

  **f**   4.  $(a) \times (d) = (d) \times (a)$

  **c**   5.  $(8 + 2) + 4 = 8 + (2+4)$

  **e**   6.  $8 \times (1) = 8$

  **g**   7.  $42 - 6a = 6(7-a)$

  **a**   8.  $a + 0 = a$

- a. additive identity
- b. commutative property of addition
- c. associative property of addition
- d. multiplicative inverse
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- g. distributive property
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- i. multiplicative property of zero

# Properties of Real Numbers Assignment

Name the property shown by each statement:

- $17 + 22 = 22 + 17$  \_\_\_\_\_ commutative property of addition \_\_\_\_\_
- $12 \times 46 = 46 \times 12$  \_\_\_\_\_ commutative property of multiplication \_\_\_\_\_
- $89 + 0 = 89$  \_\_\_\_\_ additive identity property \_\_\_\_\_
- $89 \times 1 = 89$  \_\_\_\_\_ multiplicative identity property \_\_\_\_\_
- $89 \times 0 = 0$  \_\_\_\_\_ zero property \_\_\_\_\_
- $(8 + 4) + 5 = 8 + (4 + 5)$  \_\_\_\_\_ associative property of addition \_\_\_\_\_
- $(43 \times 2) \times 5 = 43 \times (2 \times 5)$  \_\_\_\_\_ associative property of multiplication \_\_\_\_\_

Find the additive inverse of each number.

- 15
  - 27
  - $\frac{7}{9}$
  - $-\frac{9}{16}$
  - 0
- 15
  - 27
  - $-\frac{7}{9}$
  - $\frac{9}{16}$
  - 0

Find the multiplicative inverse of each number.

- 15
  - 27
  - $\frac{7}{9}$
  - $-\frac{9}{16}$
  - 1
- $\frac{1}{15}$
  - $-\frac{1}{27}$
  - $\frac{9}{7}$
  - $-\frac{16}{9}$
  - 1