

Properties of Real Numbers Bell Work

Select the property of real number from COLUMN II that is associated with the equation in COLUMN I.

COLUMN I**COLUMN II**

_____ 1. $4ab + 0 = 4ab$

_____ 2. $6 + (7 + a) = 6 + (a + 7)$

_____ 3. $ab + (-ab) = 0$

_____ 4. $(a \cdot b^2)c = a(b^2c)$

_____ 5. $4 \cdot \frac{1}{4} = 1$

_____ 6. $(3x)y = y(3x)$

_____ 7. $x = y$ or $y = x$

_____ 8. $7(a + b) = 7(b + a)$

_____ 9. If $m = n$, then $15m = 15n$.

_____ 10. If $g = h$ and $f = g$, then $h = f$.

_____ 11. $d = d$

_____ 12. $19 \cdot 0 = 0$

_____ 13. $1 \cdot (4x) = 4x$

A. Multiplicative identity property

B. Multiplicative property of zero

C. Multiplicative inverse property

D. Commutative property of multiplication

E. Associative property of multiplication

F. Transitive property of equality

G. Substitution property of equality

H. Additive identity property

I. Additive inverse property

J. Commutative property of addition

K. Associative property of addition

L. Reflexive property of equality

M. Symmetric property of equality

Properties of Real Numbers Bell Work**ANSWER**

Select the property of real number from COLUMN II that is associated with the equation in COLUMN I.

| COLUMN I | | COLUMN II | |
|----------|---|-----------|--|
| H | 1. $4ab + 0 = 4ab$ | A. | Multiplicative identity property |
| K | 2. $6 + (7 + a) = 6 + (a + 7)$ | B. | Multiplicative property of zero |
| I | 3. $ab + (-ab) = 0$ | C. | Multiplicative inverse property |
| E | 4. $(a \cdot b^2)c = a(b^2c)$ | D. | Commutative property of multiplication |
| C | 5. $4 \cdot \frac{1}{4} = 1$ | E. | Associative property of multiplication |
| D | 6. $(3x)y = y(3x)$ | F. | Transitive property of equality |
| M | 7. $x = y$ or $y = x$ | G. | Substitution property of equality |
| J | 8. $7(a + b) = 7(b + a)$ | H. | Additive identity property |
| G | 9. If $m = n$, then $15m = 15n$. | I. | Additive inverse property |
| F | 10. If $g = h$ and $f = g$, then $h = f$. | J. | Commutative property of addition |
| L | 11. $d = d$ | K. | Associative property of addition |
| B | 12. $19 \cdot 0 = 0$ | L. | Reflexive property of equality |
| A | 13. $1 \cdot (4x) = 4x$ | M. | Symmetric property of equality |