

NAME: _____

PROPERTIES OF REAL NUMBERS

Directions: Identify the correct property.

1. $4 \cdot 1 = 4$ multiplicative identity property	2. $x + y = y + x$ commutative property of addition
3. $2(x - 5)$ distributive property	4. $-\sqrt{2} + \sqrt{2} = 0$ additive inverse property
5. $(4 + 2) + 3 = 4 + (2 + 3)$ associative property of addition	6. $5 + (-5) = 0$ additive inverse property
7. $2 \cdot \frac{1}{2} = 1$ multiplicative inverse property	8. $2a + 3b = 3b + 2a$ commutative property of addition
9. $(2x + 4y) + 10z = 2x + (4y + 10z)$ associative property of addition	10. If $3 \cdot 2 = 6$ and $6 = x$ then $x = 3 \cdot 2$ distributive property
11. $2x + 0 = 2x$ additive identity property	12. $1 \cdot (4y) = 4y$ multiplicative identity property
13. $x \cdot \frac{1}{x} = 1$ multiplicative inverse property	14. $5c = 5c$ reflexive property of equality
15. $6x + 2 = 2 + 6x$ commutative property of addition	16. $4d + (-4d) = 0$ additive inverse property
17. If $2x = 8$ then $8 = 2x$ symmetric property of equality	18. $3m = 3m$ reflexive property of equality
19. $(-2 \cdot 8) \cdot 3 = -2(8 \cdot 3)$ associative property of multiplication	20. If $4 \cdot 2 = 8$ and $8 = \sqrt{64}$ then $\sqrt{64} = 4 \cdot 2$ distributive property

How Did You Do? 😊 😐 ☹️