Quiz!!!

Properties of Real Numbers

Match each example with the property that is illustrated.

(a) Additive Identity
(b) Additive Inverse
(c) Associative Property of Addition
(d) Associative Property of Multiplication
(e) Commutative Property of Addition
(f) Commutative Property of Multiplication
(g) Distributive Property of Mult over Addn
(h) Multiplicative Identity
(i) Multiplicative Inverse

_____ 1. m + 3 = 3 + m

_____ 2. $w \cdot 1 = w$

_____ 3. a + (b + c) = (a + b) + c

_____ 4. $(2 \cdot x) \cdot y = (x \cdot 2) \cdot y$

_____ 5. $2x(x+3) = 2x^2 + 6x$

_____ 6. $k + (-k) = 0$

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

_____ 8. $u + 0 = u$

_____ 9. $r \cdot \frac{1}{r} = 1$

_____ 10. $m \cdot a \cdot t \cdot h = h \cdot a \cdot m \cdot t$

_____ 11. $(-y) + y = 0$

_____ 12. ab + xy = ba + yx

_____ 13. $\frac{1}{n} \cdot n = 1$

_____ 14. $(2+m)+3 = 3+(2+m)$

_____ 15. $a \cdot (j \cdot e) = (a \cdot j) \cdot e$

_____ 16. $(2 \cdot a) \cdot b = 2 \cdot (a \cdot b)$

_____ 17. $2x + 6 = 2(x+3)$

_____ 18. $0 + h = h$