NAME: _____

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 Multiplication over Addn.
h) Multiplicative Identity
i) Multiplicative Inverse

e 1. $m + 3 = 3 + m$

h 2. $w \cdot 1 = w$

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

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

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

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

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

a 8. $u + 0 = u$

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

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

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

e, f 12. $ab + xy = ba + yx$

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

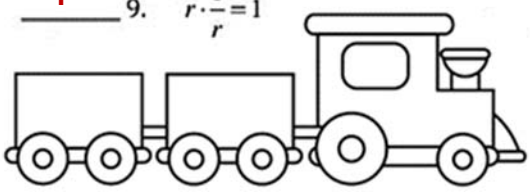
e 14. $(2 + m) + 3 = 3 + (2 + m)$

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

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

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

a 18. $0 + h = h$



HOW DID YOU DO?