Name: _____

Section: _____

Properties of Numbers Practice

Match the property to the example that displays that property. You may use each property more than once!

A) Commutative Property of Addition

B) Commutative Property of Multiplication

C) Associative Property of Addition

D) Associative Property of Multiplication

E) Identity Property of Addition

F) Identity Property of Multiplication

G) Inverse Property of Addition

H) Inverse Property of Multiplication

I) Zero Property of Multiplication

J) Distributive Property

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1) $5(3 - 6) = 5(3) - 5(6)$ _____

2) $(3 \cdot 5) \cdot 2 = 3(5 \cdot 2)$ _____

3) $4(3) = 3(4)$ _____

4) $\frac{2}{3} \cdot \frac{3}{2} = 1$ _____

5) $0 + 6 = 6$ _____

6) $(3 + 5) + 8 = 3 + (5 + 8)$ _____

7) $6 + 3 + 8 = 3 + 8 + 6$ _____

8) $3(0) = 0$ _____

9) $2(8) = 8(2)$ _____

10) $17 + 0 = 17$ _____

11) $(6 \cdot 25) \cdot 4 = 6 \cdot (25 \cdot 4)$ _____

12) $\frac{9}{7} \cdot \frac{7}{9} = 1$ _____

13) $-8 + 8 = 0$ _____

14) $18(1) = 18$ _____

15) $13(0) = 0$ _____

16) $16 + (-16) = 0$ _____

17) $18 + 12 = 12 + 18$ _____

18) $(5 + 10) + 9 = 5 + (10 + 9)$ _____

19) $3(2 + 5) = 3(2) + 3(5)$ _____

20) $a + b + c = a + c + b$ _____

21) $x \cdot y = y \cdot x$ _____

22) $3(x + y) = 3(x) + 3(y)$ _____

Use the distributive property to get rid of the parentheses.

23) $(x + 2)$

24) $4(m + 3)$

25) $5(d + 6)$

26) $2(3e – 6)$

27) $8(w + 2)$

28) $4(y – 5)$

29) $2(6y + 1)$

30) $13(x – y)$

31) $a(b + c)$

32) $x(y + z)$

33) $w(e – a)$

34) $2x(y + 3z)$

35) $3m(3n + 4p)$

36) $6a(b – 2c)$

Write your own example of each of the properties.

37) commutative property of addition

38) commutative property of multiplication

39) associative property of addition

40) associative property of multiplication

41) distributive property

42) identity property of addition

43) identity property of multiplication

44) inverse property of addition

45) inverse property of multiplication

46) zero property of multiplication