Name: _____

Matching Properties

Match each expression to the correct property by writing the letter of the property on the blank. Some properties will be used more than once!

1. $5\times4=4\times5$ _____
2. $22\times1=22$ _____
3. $5(4+6)=5(4)+5(6)$ _____
4. $15+0=15$ _____
5. $8(2+6)=8(2)+8(6)$ _____
6. $5+(2+9)=(5+2)+9$ _____
7. $5+9=9+5$ _____
8. $(2\times3)\times5=2\times(3\times5)$ _____
9. $74+0=74$ _____
10. $12\times4=4\times12$ _____
11. $8+(4+12)=(8+4)+12$ _____
12. $6+5+3=5+3+6$ _____
13. $12(6+7)=12(6)+12(7)$ _____
14. $(0\times8)\times11=0\times(8\times11)$ _____
15. $(7+8)11=7(11)+8(11)$ _____

a) Distributive Property

b) Commutative Property (+)

c) Commutative Property (x)

d) Associative Property (+)

e) Associative Property (x)

f) Identity Property (+)

g) Identity Property (x)

Bonus: Why do you think there is no commutative property for division or subtraction? Show examples to prove your point! Write your answer on the back of this page!