Quiz 3 - August 27th 2009 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What does the cancellation property says \_\_\_\_\_\_\_.
   1. a+b=b+a
   2. a+(b+c)=(a+b)+c
   3. if a is not 0, then if ab=ac, b=c
   4. ab=0 implies a=0 or b=0
2. What does the zero-product property says \_\_\_\_\_.
   1. a+b=b+a
   2. a+(b+c)=(a+b)+c
   3. if a is not 0, then if ab=ac, b=c
   4. ab=0 implies a=0 or b=0
3. The reflexive property of “=” says \_\_\_\_\_\_.
   1. a=a
   2. if a=b and b=c, then a=c
   3. if a=b, then b=a
   4. if a=b, then we can replace a with b in any equation involving a and vice versa
4. The transitive property of “=” says \_\_\_\_\_\_\_.
   1. a=a
   2. if a=b and b=c, then a=c
   3. if a=b, then b=a
   4. if a=b, then we can replace a with b in any equation involving a and vice versa