

**Problem Set**

1. State the commutative property of addition using the variables  $a$  and  $b$ .
2. State the commutative property of multiplication using the variables  $a$  and  $b$ .
3. State the additive property of zero using the variable  $b$ .
4. State the multiplicative identity property of one using the variable  $b$ .
5. Demonstrate the property listed in the first column by filling in the third column of the table.

Commutative Property of Addition	$25 + c =$	
Commutative Property of Multiplication	$l \times w =$	
Additive Property of Zero	$h + 0 =$	
Multiplicative Identity Property of One	$v \times 1 =$	

6. Why is there no commutative property for subtraction or division? Show examples.