

9-20-13

1<sup>st</sup> Geo

Converse

Inverse

Contrapositive

IF you live in Radford,  
then you live in VA.

Converse: IF you live in VA,  
then you live in Radford.

Inverse: IF you don't live in  
Radford, then you don't live in VA.

Contrapositive: IF you don't live  
in VA, then you don't live in Radford

Give me the inverse of

A) "If you are tall, then you  
are skinny.

Inverse: If you are not tall, then  
you are not skinny.

B) "If  $2x = 10$ , then  $x = 5$ ."

Inverse: If  $2x \neq 10$ , then  
 $x \neq 5$ .

Change to a if then

A.) Boys are silly

If you are a boy, then you are silly.

B.) Girls are funny

If you are a girl, then you are funny.

C.) Cars use gas.

If it is a car, then it uses gas.