

1. The composition of an odd function with an even function is \_\_\_\_\_.

2. If  $f : A \rightarrow B$  and  $g : B \rightarrow C$  are surjective functions, then  $g \circ f$  is surjective.

3. If  $f : A \rightarrow B$  has an inverse function  $g$ , then  $g$  has  $f$  as an inverse function also.

4. (a) A set  $A$  is equipollent to itself.

(b) If  $A$  is equipollent to  $B$ , then  $B$  is equipollent to  $A$ .

5. The set of throdd natural numbers is denumerable.