

Theorem 1. *The following are equivalent:*

(1) *Statement 2*

(2) *Statement 3*

(3) *Statement 1*

Proof. (3) \implies (1): Proof if (3) then (1). (1) \implies (2): Proof if (1) then (2).
(2) \implies (3): Proof if (2) then (3). \square