## **Examlet 1** Foundations of Advanced Math

10/12/19

1. The sum of two odd integers is even.

2. If  $a \equiv_n b$  and  $b \equiv_n c$ , then  $a \equiv_n c$ .



4. There	e is no smallest p	no smallest positive real number.					

5. For any  $n \in \mathbb{Z}^+$ ,

$$\sum_{i=1}^{n} i = \frac{n(n+1)}{2}$$