

Quiz 2 MA341
Spring 2018

Name _____

Let S be a bounded set. Complete the definitions below:

1. A number u is a least upper bound of S if ...

- (i) u is an upper bound of S , and
- (ii) if v an upper bound of S , then $v \geq u$.

2. A number w is a greatest lower bound of S if ...

- (i) w is a lower bound of S , and
- (ii) if t a lower bound of S , then $t \leq w$.