

CALCULUS  
Standard notation  
OLD2

0010-1. True or False (no partial credit):

OLD2

$$\forall x \in \mathbb{R}, \exists a, b \in \mathbb{Z}$$

$$\text{s.t. } b \neq 0$$

$$\text{and s.t. } x = a/b.$$

0010-2. True or False (no partial credit):

OLD2

$(100, \infty)$  is an open interval.

0010-3. True or False (no partial credit):

OLD2

$(-\infty, 3]$  is a compact interval.