

Business Calculus
Mett

Math 121
January 10, 2003

NAME: _____

1. (a) $[1, 3]$ contains the endpoints 1 and 3, while $(1, 3)$ does not.
(b) $x > 67.79661017$
(c) $(67.79661017, \infty)$
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2. (a) $-4 \leq x \leq 6$
(b) $|E - A| \leq 100$
(c) $A \in [700, 900]$
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3. (a) $1/4 = .25$
(b) $x \in (-\infty, 9)$
(c) $x \neq \pm 3$
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4. (a) $x = 1, -1/2$
(b) $(2x + 1)(x - 1)$
(c) $x = 1, -1/2$