MA 16010 Quiz 3 (Lessons 4-6)

Write your name, section number (399 for 8:30, 418 for 9:30), and quiz number on the top of your quiz, front and back.

You may use a one-line calculator.

1. Evaluate the limit:

leulator.
$$\lim_{x \to 3} \frac{x^2 - 2x - 3}{x^2 - 3x} = \lim_{x \to 3} \frac{(x - 3)(x + 1)}{x^2 - 2x - 3} = \lim_{x \to 3} \frac{(x - 3)(x + 1)}{x^2 - 3x} = \lim_{x \to 3} \frac{(x - 3)(x + 1)}{(x - 3)(x + 1)} = \lim_{x \to 3} \frac{(x - 3)(x + 1)}{x^2 - 3x} = \lim_{x \to 3} \frac{(x - 3)(x + 1)$$

2. Classify all points of disconinuity of the function whose graph is given below. (**No need to copy the graph**, enough to list the *x*-values and type of discontinuity.)

