

Present neatly. Justify for full credit. No Calculators.

Name _____ Score _____ ~10 minutes

1. Find the limit:

$$\lim_{x \rightarrow 3} \frac{\sqrt{x+6} - x}{x^3 - 3x^2}$$

2.

Show that the equation has a solution in the given interval.

$$x^5 - x^3 + 3x - 5 = 0, \quad (1, 2)$$

Fiesta 7