

(11.6) Ratio and Root Tests

Full Name: \_\_\_\_\_

1.

(a) Converges (since  $\frac{1}{2} < 1$ )

(b) Converges (since  $0 < 1$ )

(c) Diverges (since  $\frac{3}{2} > 1$ )

(d) Converges (since  $\frac{2}{3} < 1$ )

(e) Diverges (since  $\infty > 1$ )

(f) Converges (since  $0 < 1$ )