"QUIZ" for Sept. 25, 2008

NAME: (print!)		Section:
E-MAIL ADDRESS: (print!)		
1. Differentiate	$y = \frac{s+2}{s^2 - 1} .$	

- **2.** A particle moves according to a law of motion $s = t^2 4t + 8$, t > 0, where t is measured in seconds and s is measured in feet.
- (a) Find the velocity at any given time t.
- (b) What is the velocity after 1 second?
- (c) When is the particle at rest?
- (d) When is the particle moving in the positive direction?
- (e) Find the total distance travelled during the first 3 seconds.