Problem 1 What is $\lim_{x \to 3} \frac{2x + 2}{x^2 - 2x - 3}$?
(a) 0  
(b) $\infty$  
(c) $-\infty$  
(d) DNE  
(e) none of the above

Problem 2 What is the correct graph of the parameterization $x = \sin(t)$, $y = t^2$, $-\pi \leq t \leq \pi$?

Problem 3 Eliminate the parameter to find the cartesian equation of the curve

$$x = 3t^2 + 1, \ y = 2 + 5t, \ 0 \leq t.$$