KFUPM/ Department of Mathematics & Statistics	ID $\#$	Serial $\#$
MATH 260-04/ Quiz 1a/ 131	Name	

1. [8pts] Find the position function x(t) of a moving particle with acceleration $a(t) = \frac{8}{(t+2)^3}$, initial position $x_0 = 3$ and initial velocity $v_0 = 2$.

2. [8pts] Find a general solution of the DE: $y' - y = e^{2x}y^2$