## Quiz 3 Calculus 1 2/17/2006

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Find the derivative of $y=\frac{x^{2}+4 x+3}{\sqrt{x}}$.
2. Find the derivative of $f(x)=e^{x} \sqrt{x}$.
3. Find the derivative of $y=\left(r^{2}-2 r\right) e^{r}$.
