Quiz 1   **Calculus 2**   1/12/18

Each problem is worth 5 points. Provide good justification of your answers for full credit.

1. Find the most general antiderivative of

$$g(t) = \frac{1 + t + t^2}{\sqrt{t}}$$

2. Find the most general antiderivative of

$$f(t) = \frac{2 + x^2}{1 + x^2}$$