Quiz 2

Name: _____   Row: _____

1. Evaluate the indefinite integral $\displaystyle\int \frac{x^2}{(x^3+1)^4}\,dx$.

2. Evaluate the definite integral $\displaystyle\int_0^{\pi/4} \tan^5\theta\ \sec^2\theta\ d\theta$.

2. Find the area of the region between $y = 3x^2$ and $y = 6x$ (see diagram).