

**Quiz 2 Algebra & Trig 2/14/2003**

Each problem is worth 5 points. For full credit provide complete justification for your answers.

1. Add  $\frac{3x+8}{x^2} - \frac{2x-1}{x^3} - \frac{5}{8x}$  and reduce if necessary.

2. Simplify  $-3(x^3+3)^4(3x^2)$ , and write the answer using positive exponents only.

3. Simplify  $(16x^{12}y^4)^{1/4}$