

## Alg 2 Past Quizzes

9/17/12

Subtract:  $3x^2 - 2xy + 4y^2 - (2x^2 + 3y^2)$

9/18/12

Multiply:  $t(t-2)(t+1)$

9/20/12

① Factor:  $x^3 + 64$     ② Factor:  $2u^2 + uv - 21v^2$

9/24/12

Solve by factoring:  $x^2 + 15x + 50 = 0$

9/25/12

The sum of a number and its square is 72. Find the number.

10/1/12

Let  $f(x) = 2x^2 + 1$ ,  $g(x) = 2x + 1$ . Find  $f(2) \cdot g(3)$

10/2/12

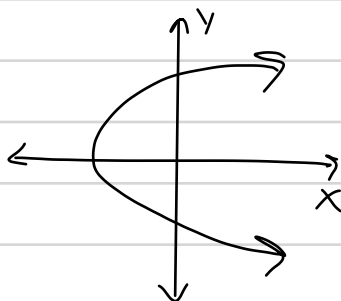
Let  $f(x) = x^2$ ,  $g(x) = x + 2$ . Find  $f(g(x))$ .

10/3/12

Switch and solve:  $f(x) = x^3 - 8$

10/4/12

Is this a function?



10/9/12

Simplify  $(\frac{2}{h^2}k^{-3})^{-2}$

10/11/12

Simplify  $(\frac{xy}{4})^{-1} \cdot \frac{6y^2}{x}$

10/15/12

Divide and Simplify:  $\frac{x(x-1)}{(x-2)^2} \div \frac{(x-1)^2}{x-2}$

10/16/12

Simplify  $\frac{2}{3xy} - \frac{1}{3y} - \frac{1}{3x}$

10/18/12

Solve  $\frac{x^2}{2} - \frac{4x}{3} = \frac{1}{2}$

10/30/12

Simplify  $\sqrt{27} + \sqrt{12} - \sqrt{75}$

10/29/12 Simplify:  $\frac{\sqrt{27}}{\sqrt{3}}$

DON'T FORGET THIS ONE