

Lab 6 for Math 215

Monday - February 25th, 2008

Student's Name: _____

Instructions: Show all your work for full credit. Indicate your answers clearly.

Problem 1. Find all the factors of the number 3127290120.

Problem 2. Find the sum of all the factors of the number 44121372.

Problem 3. Draw the triangle ABC with vertices $A = (2, 1)$, $B = (5, 7)$ and $C = (3, 10)$.

Problem 4. Draw the ellipse given by the equation $\frac{x^2}{9} + \frac{y^2}{4} = 1$.

Problem 5. View the function $u(x, t) = e^{-(x-t)^2} + e^{-(x+t)^2}$ by animation.