

MA 115-02 §1.1-1.5	Quiz #1	score	Name: _____ 9 June 2000
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1. Let N denote the set of driver's license numbers in the state of Alabama and C the set of hair colors used on the licenses. Is N a function of C ? Is C a function of N ? Explain. (4 points)

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2. Find an equation of the line containing the points $(1, 3)$ and $(-4, 10)$. What is the y -intercept for this line? (5 points)

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3. Are the data in the set $\{(1, 10), (3, 6), (8, 1), (5, 3)\}$ lineally correlated (strongly, weakly, positively, negatively)? Find the equation of the regression line for the data. (5 points)

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4. Find the local extrema (maxes and mins) for the function $f(x) = x^4 - 23x^2 + 18x + 40$. Report your answers correct to one decimal point. (6 points)