

QUIZ 1 - MATH 140

Friday, August 28

YOUR NAME: _____

George Voutsadakis

Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [5 points] Suppose that $y = f(x)$ is a linear function, such that $f(44) = 1008$ and $f(80) = 900$. Find a formula for $f(x)$.

- 2 [5 points] Find an equation for the line that passes through $(-3, 7)$ and is perpendicular to the line with equation $5x + 10y = 30$.