QUIZ 2 - MATH 102

YOUR NAME:‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾

Friday, January 21

George Voutsadakis

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

1. The area of a trapezoid is 300 square inches. If the height is 20 inches and the lower base is 16 inches, then what is the length of the upper base?

2. Arnold has two alcohol solutions available in the lab, one with 5% alcohol and the other with 13% alcohol. How much of each should he mix together to obtain 6 gallons of a solution that contains 8% alcohol?