

HOMEWORK 1 - MATH 111

DUE DATE: Friday, January 24

INSTRUCTOR: George Voutsadakis

Read each problem very carefully before starting to solve it. Each question is worth 1 point. It is necessary to show your work. Correct answers without explanations are worth 0 points.

GOOD LUCK!!

1. Sketch the graph of $y = -2x + 3$.
2. Find the x - and y -intercepts of the graph in 1.
3. Sketch the graph of $y = x - 2$.
4. Find the x - and y -intercepts of the graph in 3.
5. Find the slope of the line passing through the origin and the point $(-3, 1)$.
6. Find the equation of the line having slope $m = 3$ and y -intercept $b = -2$.
7. Find the equation of the line that is parallel to $y = -x + 5$ and goes through the point $(2, 5)$.
8. Find the equation of the line that has slope $m = -2$ and goes through the point $(-2, 3)$.