

Practice Problems for the Ch03 Individual Test

1. Complete each of the following tables, then use the table to neatly graph the equation.

a) $y = 2x + 1$

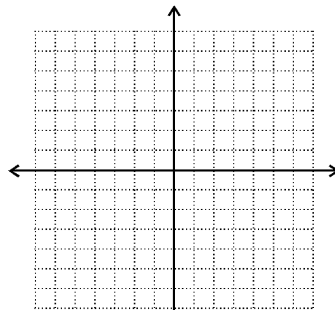
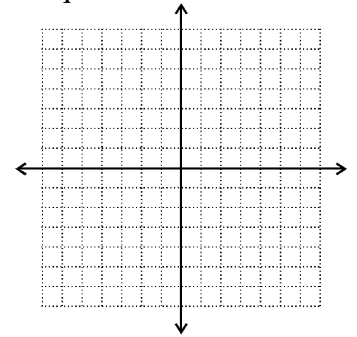
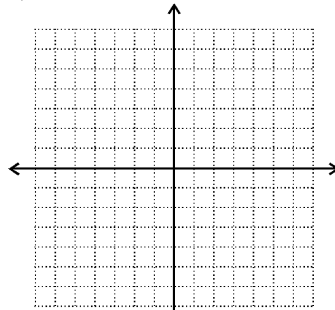
x	2	0	1	-1		1.5
y						

b) $y = \frac{1}{2}x - 3$

x	2	4	-2	0	-1	0.5
y						

c) $y = x^2 - 2x + 1$

x	-1	0	1	2	3
y					



2. Four friends work together on a school project. The project takes a total of 30 hours. Sal and Andrew work the same number of hours. Doug works twice what each of Sal and Andrew worked, and Finn works three more than Doug. How many hours did each person work on the project? Give your answer in a complete sentence.

3. Find the area of the shaded region in the figure below. Show each of your subproblems clearly.

