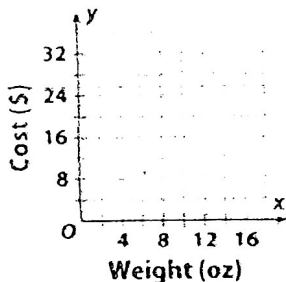# Homework Day 7: Writing an equation of a line using a table.

Graph the data, and find the slope and y-intercept from the graph.
Then write an equation for the graph in slope-intercept form.

1.

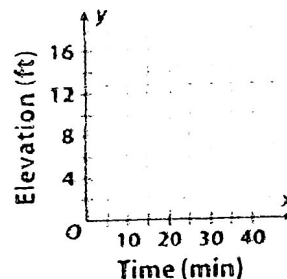| Weight (oz), x	2	4	8	10
Cost ($), y	12	16	24	28

2.

Time (min), x	5	20	30	35
Elevation (ft), y	4	10	14	16

slope: _____

y-intercept: _____

equation:_____

slope: _____

y-intercept: _____

equation:_____

Write an equation in slope-intercept form that represents the data.

3.

Sales Per Day, x	0	1	2	3
Daily Pay ($), y	100	105	110	115

equation:_____

4.

Time Since Turning Oven Off (min), x	0	5	10	15
Temperature of Oven (°F), y	375	325	275	225

equation:_____

The table shows the linear relationship of the height y (in inches) of a tomato plant x weeks after it was planted.

5. Write an equation that shows the height of the tomato plant.

_____

6. Use the equation to find the height of the tomato plant 6 weeks after it was planted.

_____

Weeks After Planting, x	Height (in.), y
0	8
1	11
2	14
3	17