

Name: _____ Date: _____ Class: _____

Homework #1: Identifying Linear Functions, Independent, & Dependent Variables.

Use the situation below to write a linear function in

$$y = mx + b \text{ or } f(x) = ax + b.$$

Home Depot charges \$12 per hour to rent Construction Machines.

How much will it cost Mr. Grant to rent the machine for 2, 4 or 6 hours?

1. Write a linear function - label the **independent and dependent variables**.
Show your work here - then write the ordered pairs for the function.

2. Identify the **constant** _____

3. Graph the following table; determine whether it is **linear or nonlinear**.

x	y
-4	4
-2	0
0	-4
2	-8

