Linear Algebra: Animal Metabolism

The data below (also contained in the ME2004_MetabolismData.mat file) contains the masses and metabolisms of various animals:

Animal	Mass (kg)	Metabolism (W)
Hen	2	4.8
Cow	400	270
Rat	0.3	1.45
Dove	0.16	0.97
Human	70	82
Sheep	45	50

a) Determine an equation to predict metabolism rate as a function of mass.
b) Use the equation to predict the metabolism of a tiger (mass = $200\ kg$).