

Name _____ Block _____

Soccer Players

Height	Weight
72	190
70	170
71	180
70	175
69	160
70	160
69	150
73	180
66	150
70	150
76	200

1) Start Menu>Programs>Microsoft Excel

2) Enter the table above

3) Select the data>Click Format>Cells>Alignment: Horizontal – center
Vertical – center

>Borders: Pick a line style

Click Outside and Inside buttons

Click OK

4) With the table selected, Click the Chart button.

Choose the XY scatter plot

Next

Chart Label>Title: Soccer Players

x-axis: Height

y-axis: Weight

Next/Finish

5) Right Click one of the points>Add Trendline>Linear Type

>Click the options tab

Check: show equation box

Check show R^2 Value

6) Create input-output cells below the table.

Click a cell below the table (height column) and type “Input”.

Click the cell to the right of the input cell and label it “Output”.

Now click the cell below the output cell and type in the equation form the graph.

For example: If the cell is B15, and the equation is $y=0.34x-121.7$, then enter

follows: click B15, then $\text{type}=0.34*\text{A15}-121.7$, then hit enter.

7) Enter values in that cell to the left to make predictions as follows.

For example in step 6: input values (height) into cell A15
and B15 will calculate the weight.

8) Estimate the weight of a player who is 66 inches tall_____

who is 74 inches tall_____

Crickets

Chirps	Temp.
20	89
16	72
20	93
18	84
17	81
16	75
15	70
17	82
15	69
16	83
15	80
17	83
16	81
17	84
14	76

9) Follow the same procedure and make the following estimations.

10 Estimate the temperature when crickets chirp 25 per second_____

chirp 10 per second_____