

**CHAPTER 21 - CALCULATING  $r$**   
**TI-84 Plus**

To find the correlation coefficient  $r$  for the data alongside, enter the  $x$  values into **List 1**, and the  $y$  values into **List 2**.

$x$	1	2	4	5
$y$	3	3	6	8

L1	L2	L3	2
1	3		
2	3		
4	6		
5	8		
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L2(5) =			

Press **STAT** **►** **4:LinReg(ax+b)** **2nd** **1 (L1)** **,** **2nd** **2 (L2)** **ENTER** .

LinReg(ax+b)	L1,
L2	

So,  $r \approx 0.969$  .

LinReg
y=ax+b
a=1.3
b=1.1
r <sup>2</sup> =.9388888889
r=.9689627902