Assume we are working with a normal population of weights with mean 65kg and standard deviation of 12kg.

What is the  $P(60 \le x \le 75)$ ?

Tap Interactive, Distribution/Inv. Dist, Continuous, normCDF.

Enter the four required values as shown and then tap **OK**.

If you prefer the Action menu, the order of variables can be seen from the expression that Classpad returns:

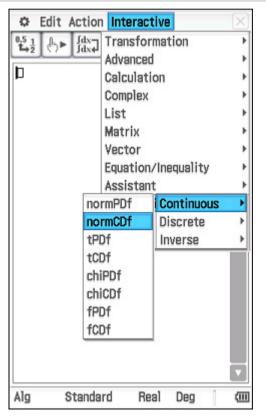
normCDF(Lower, Upper, SD, Mean)

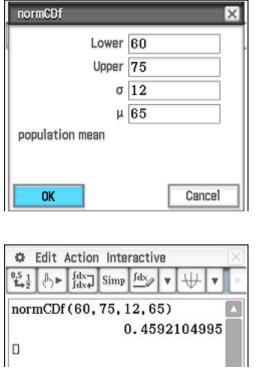
The probability is just under 0.46.

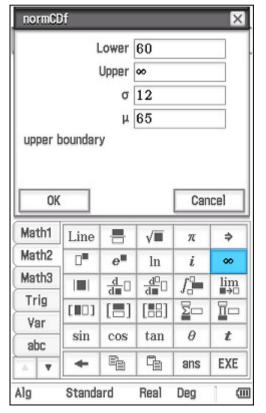
What is the  $P(x \ge 60)$ ?

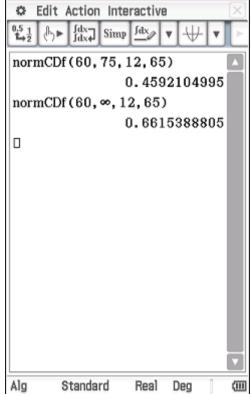
Repeat the previous steps. When entering the upper value use positive infinity – the ∞ symbol from the Math2 keyboard.

The probability is just over 0.66.





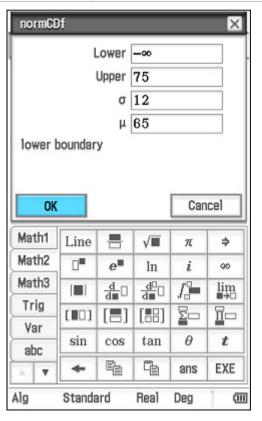


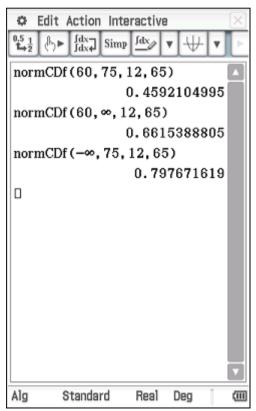


ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP080	Normal Probability Calculations	Date	April 2015	
CFUOU		CPII OS	02.00.2000.0000	

Check that you agree with the result shown for the  $P(x \le 75)$ .

Hint: Enter  $-\infty$  for the lower value.





Normal probabilities can also be calculated in the Stats app and also using the normCDF function in a solve strip within an eActivity.

These are explained in other help sheets. Please refer to the menu.