

Normal Probability Distribution

STEP #1

**Draw the Curve, label the Points,
and shade the desired Area.**

STEP #2

Calculate all Z-scores

$$Z = \frac{x - m}{s}$$

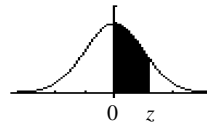
Shortcut

Use Graphing Calculator:
normalcdf (left Z-score, right Z-score)

STEP #3

Look up the Areas from the Z-Table.

The Standard Normal Distribution
(Table A-2, Formula and Tables)



STEP #4

**Determine the Probability from
the shaded Area.**