

# Today's Class

- Normal Distribution
- The Standard Normal Distribution
- Murdoch Barnes Tables 3
- Symmetry Rule

## Using the Murdoch Barnes Tables

- Knowing the  $Z$  value is very useful, because it is easy to compute  $P(Z \geq Z_0)$  for some value  $Z_0$  using statistical tables.
- $P(X \geq X_0) = P(Z \geq Z_0)$
- From our previous example we can say the following

$$P(X \geq 100) = P(Z \geq 2.5)$$