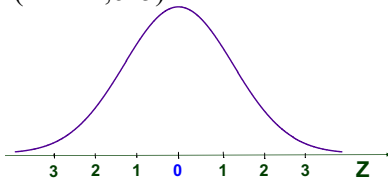




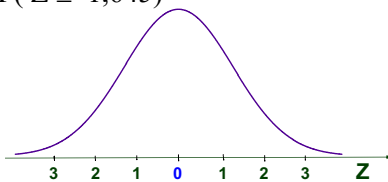
Lista de Exercícios 4b

1. Seja $Z: N(0, 1)$. Represente graficamente as seguintes probabilidades:

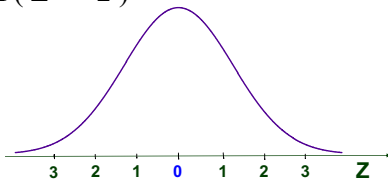
a) $P(Z \leq -1,645)$



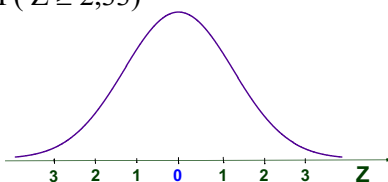
b) $P(Z \geq 1,645)$



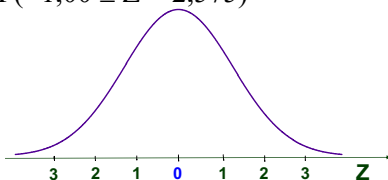
c) $P(Z > -2)$



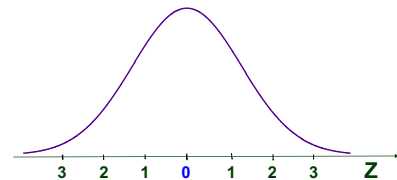
d) $P(Z \geq 2,33)$



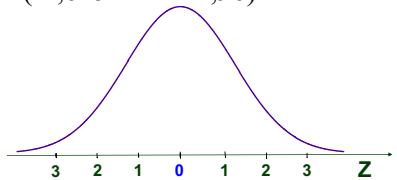
e) $P(-1,00 \leq Z < 2,575)$



f) $P(-2,05 \leq Z < -1,0)$



g) $P(-1,645 \leq Z < 1,96)$



2. Determine as probabilidades solicitadas no exercício anterior, ou seja, as áreas representadas no exercício 16.
3. Considerando $Z: N(0,1)$, represente graficamente as probabilidades indicadas e determine z_0 , a e b tais que:
- a) $P(Z \leq z_0) = 0,1075$
 - b) $P(Z < z_0) = 0,9798$
 - c) $P(Z > z_0) = 0,2546$
 - d) $P(Z \geq z_0) = 0,9418$
 - e) $P(a \leq Z \leq b) = 0,8040$ e $P(Z > b) = 0,1075$.
 - f) $P(-z_0 \leq Z \leq z_0) = 0,99$.