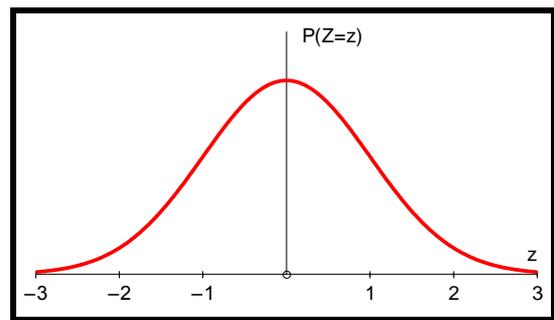
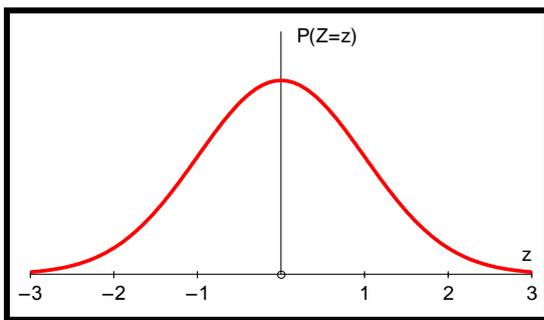
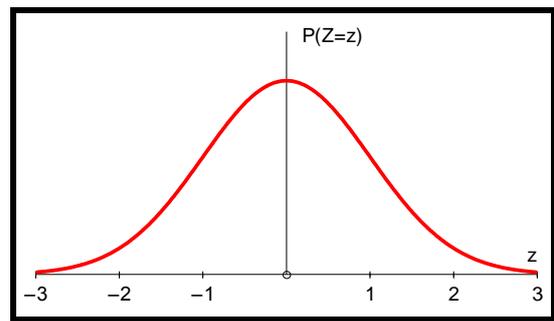
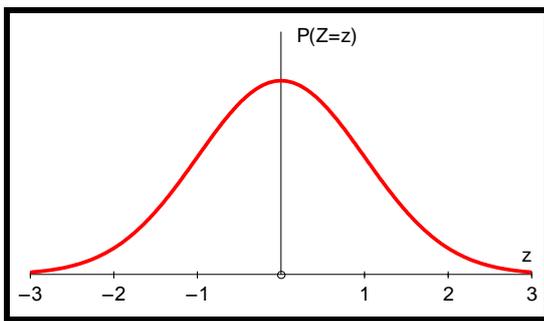
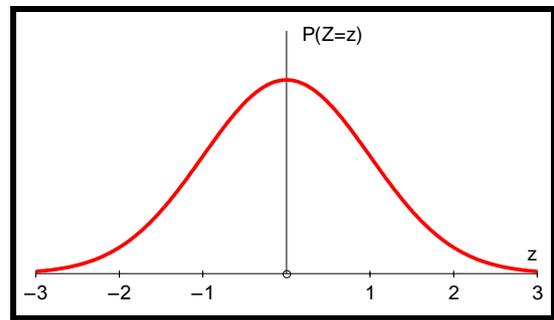
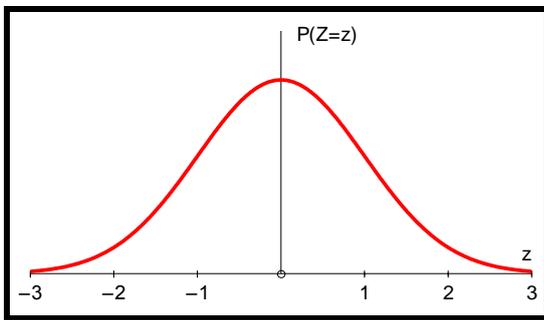
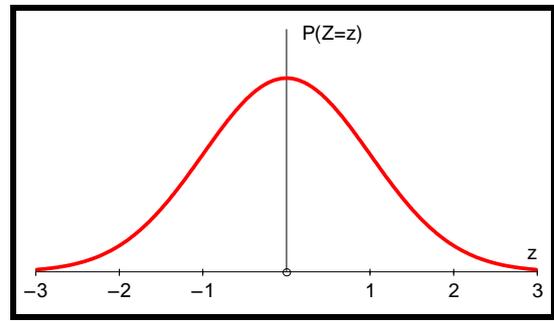
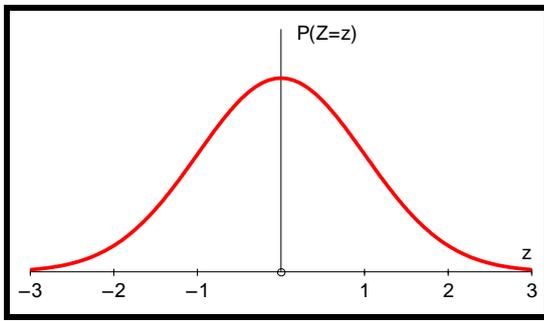
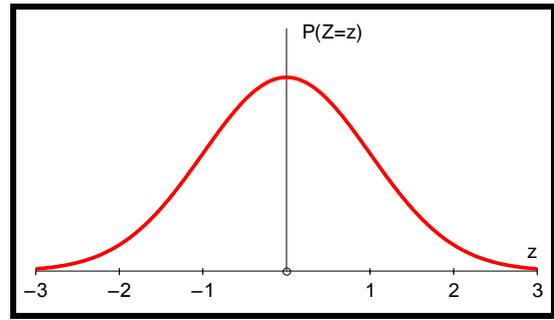
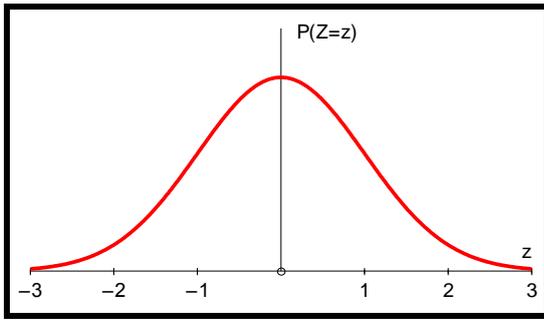


Probabilities and Normal curves (more challenging)

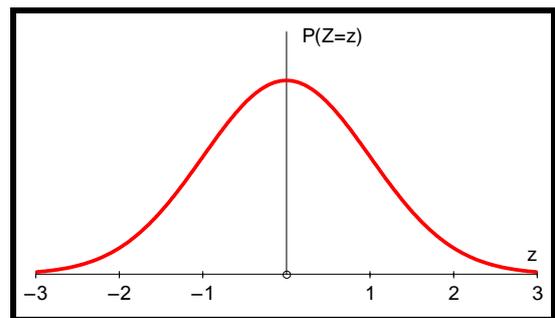
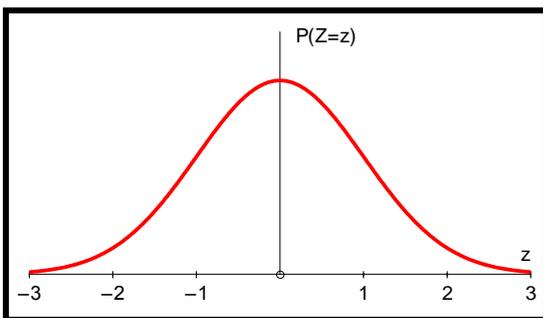
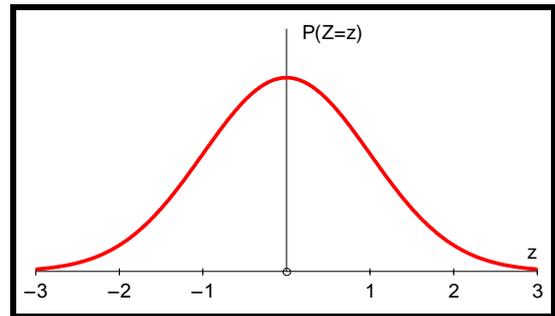
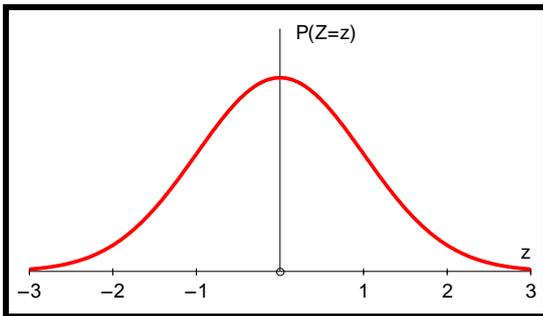
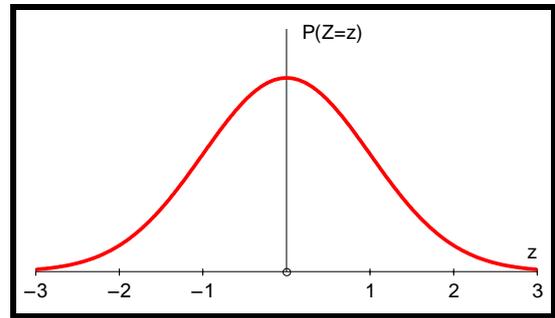
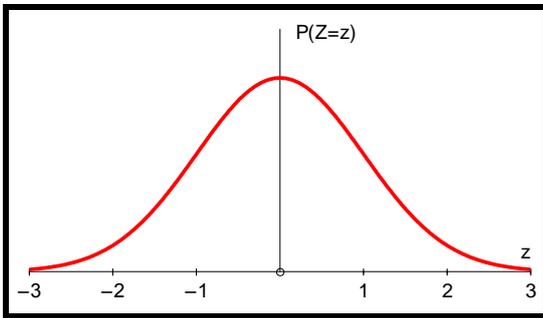
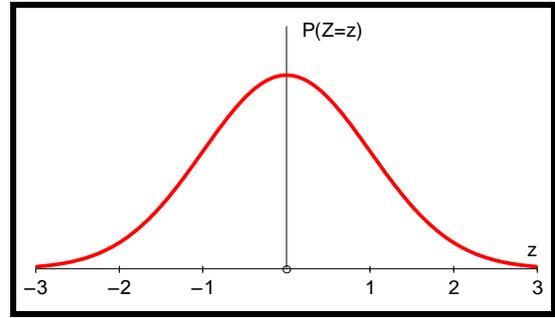
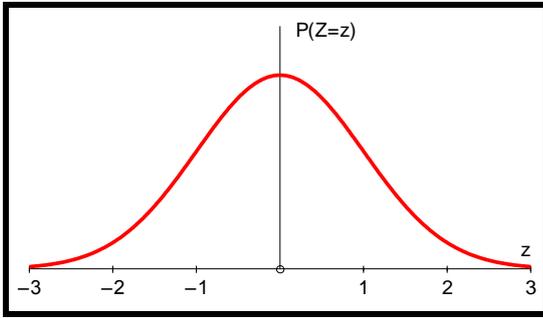
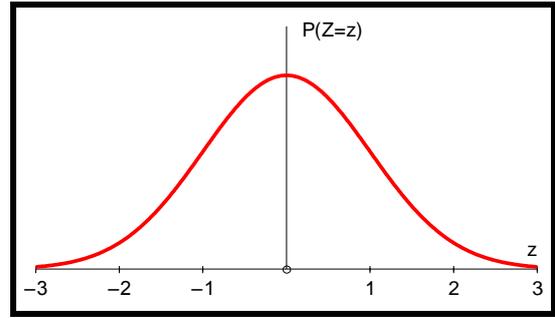
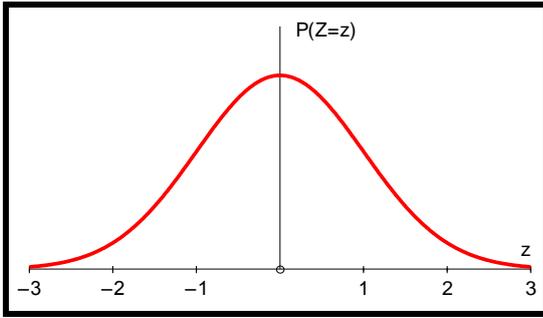
Match up the probability statements on the blue cards with the expressions on the yellow cards. For each pair, use one of the blank Normal distribution graphs to shade the corresponding area on the graph.

$P(Z - 1.5 > 1)$	$P(Z < -2)$	$P(0 < Z < 1)$
$P(-2.5 < Z < -2)$	$P(Z + 1.5 < 1)$	$P(-2 < Z < 0)$
$P(Z > -2)$	$P(Z = 1)$	$P(Z < 1)$
$P(Z - 1 > 1)$	$P(Z < 1)$	$P(-2 < Z < 2)$
$P(-2.5 < Z < 1)$	$P(Z > 2)$	$P(-1 < Z < 2)$
$P(Z + 0.5 < 0.5)$	$P(Z < -1)$	$P(1 < Z < 2)$
$P(Z > 2)$	$P(Z > -2)$	

Probabilities and Normal curves (more challenging)



Probabilities and Normal curves (more challenging)



Probabilities and Normal curves (more challenging)

1	0	0
$\Phi(1)$	$\Phi(2)$	$1 - \Phi(1)$
$2 - 2\Phi(2)$	$2\Phi(1) - 1$	$1 - \Phi(2)$
$\Phi(1) - \frac{1}{2}$	$\Phi(1) - \frac{1}{2}$	$2\Phi(2) - 1$
$\Phi(2) - \frac{1}{2}$	$\frac{3}{2} - \Phi(2)$	$\Phi(2) - \Phi(1)$
$\Phi(2.5) - \Phi(2)$	$\Phi(2.5) - \Phi(0.5)$	$1 + \Phi(0.5) - \Phi(2.5)$
$\Phi(1) + \Phi(2) - 1$	$\Phi(1) + \Phi(2.5) - 1$	