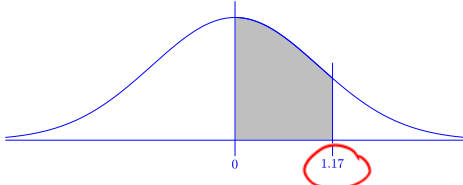


Using the Standard Normal Distribution Table

- The total area under the bell curve is 1.
- The bell curve is symmetric with respect to $z = 0$. Each half has an area of 0.5.
- When looking up negative z scores, use the symmetry of the bell curve and ignore the negative sign.
- The area is positive even if the z score is negative.

Find the area of the shaded region:

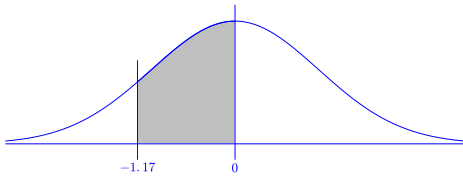
1.



z	.0007
0.0	↓		
⋮	↓		
1.1	→		

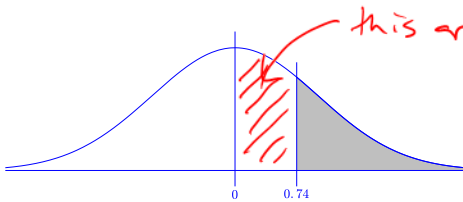
shaded area = 0.3790

2.



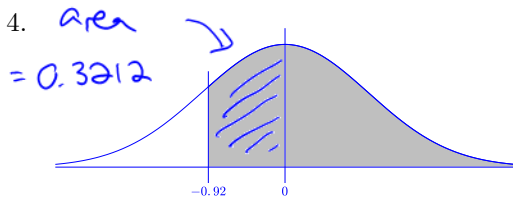
by symmetry, shaded area = 0.3790

3.



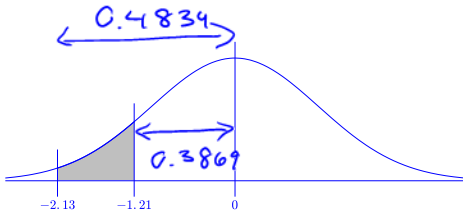
shaded = $0.5 - 0.2704$
= 0.2296

4.



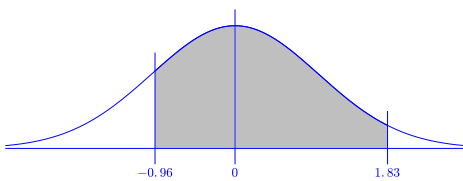
shaded = $0.5 + 0.3212$
= 0.8212

5.



shaded = $0.4834 - 0.3869$
= 0.0965

6.



↔ ↔
0.3315 0.4664

shaded
= $0.3315 + 0.4664 = 0.7979$