

- (a) Evaluate P(Z < 0.1)
- (b) Determine z such that P(Z < z) = 0.75
- (c) Evaluate P(Z > 1.4)
- (d) Determine z such that P(Z > z) = 0.15
- (e) Evaluate P(0.4 < Z < 0.5)
- (f) Evaluate P(|Z| < 2)
- (g) Determine z such that P(|Z| < z) = 0.84
- (h) Evaluate P(|Z| > 1.4)
- (i) Determine z such that P(|Z| > z) = 0.06

(a)
$$P(Z < 0.1) = \boxed{0.54}$$

(b)
$$z = \boxed{0.67}$$

(c)
$$P(Z > 1.4) = \boxed{0.081}$$

(d)
$$z = 1.04$$

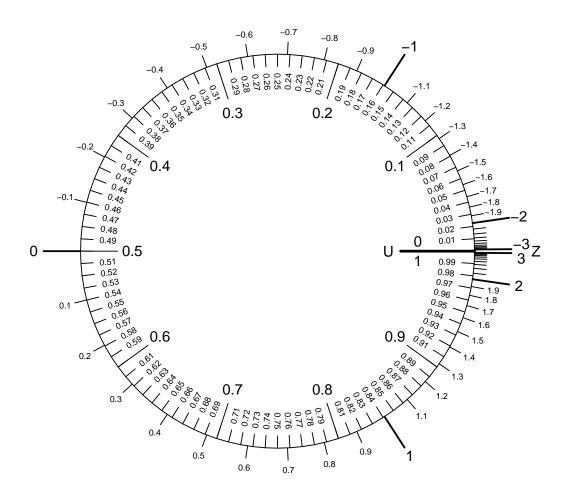
(e)
$$P(0.4 < Z < 0.5) = \boxed{0.036}$$

(f)
$$P(|Z| < 2) = \boxed{0.954}$$

(g)
$$Z = 1.41$$

(h)
$$P(|Z| > 1.4) = \boxed{0.162}$$

(i)
$$Z = \boxed{1.88}$$



- (a) Determine z such that P(Z < z) = 0.91
- (b) Evaluate P(Z > 0)
- (c) Determine z such that P(|Z| > z) = 0.7
- (d) Evaluate P(|Z| < 1.5)
- (e) Evaluate P(|Z| > 1.2)
- (f) Determine z such that P(|Z| < z) = 0.6
- (g) Evaluate P(-1.1 < Z < 0.4)
- (h) Evaluate P(Z < -1.4)
- (i) Determine z such that P(Z > z) = 0.3

(a)
$$z = \boxed{1.34}$$

(b)
$$P(Z > 0) = \boxed{0.5}$$

(c)
$$z = 0.39$$

(d)
$$P(|Z| < 1.5) = \boxed{0.866}$$

(e)
$$P(|Z| > 1.2) = \boxed{0.23}$$

(f)
$$z = 0.84$$

(g)
$$P(-1.1 < Z < 0.4) = \boxed{0.519}$$

(h)
$$P(Z < -1.4) = \boxed{0.081}$$

(i)
$$z = \boxed{0.52}$$



- (a) Evaluate P(Z < 0.4)
- (b) Evaluate P(|Z| < 1.1)
- (c) Determine z such that P(Z < z) = 0.14
- (d) Determine z such that P(|Z| > z) = 0.02
- (e) Determine z such that P(|Z| < z) = 0.18
- (f) Evaluate P(-1.3 < Z < 0.7)
- (g) Evaluate P(Z > -0.3)
- (h) Determine z such that P(Z > z) = 0.84
- (i) Evaluate P(|Z| > 1.3)

(a)
$$P(Z < 0.4) = 0.655$$

(b)
$$P(|Z| < 1.1) = \boxed{0.729}$$

(c)
$$Z = \boxed{-1.08}$$

(d)
$$z = 2.33$$

(e)
$$z = 0.23$$

(f)
$$P(-1.3 < Z < 0.7) = \boxed{0.661}$$

(g)
$$P(Z > -0.3) = 0.618$$

(h)
$$z = \boxed{-0.99}$$

(i)
$$P(|Z| > 1.3) = \boxed{0.194}$$



- (a) Evaluate P(-0.9 < Z < 0.9)
- (b) Determine z such that P(|Z| > z) = 0.14
- (c) Evaluate P(|Z| > 0.3)
- (d) Determine z such that P(|Z| < z) = 0.28
- (e) Evaluate P(|Z| < 0.5)
- (f) Evaluate P(Z < 0.1)
- (g) Determine z such that P(Z < z) = 0.16
- (h) Evaluate P(Z > -0.8)
- (i) Determine z such that P(Z > z) = 0.12

(a)
$$P(-0.9 < Z < 0.9) = \boxed{0.632}$$

(b)
$$z = 1.48$$

(c)
$$P(|Z| > 0.3) = \boxed{0.764}$$

(d)
$$z = 0.36$$

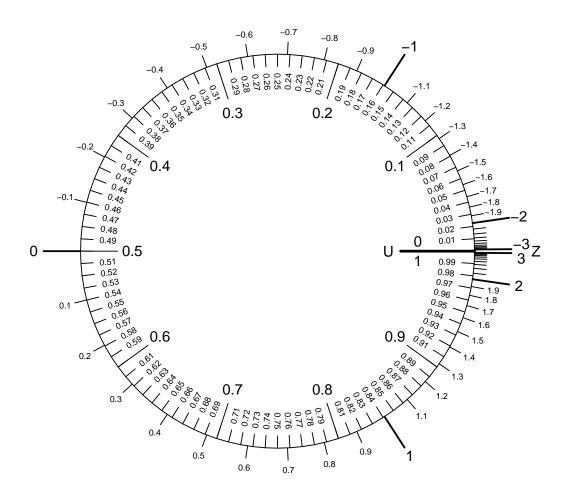
(e)
$$P(|Z| < 0.5) = \boxed{0.383}$$

(f)
$$P(Z < 0.1) = \boxed{0.54}$$

(g)
$$z = -0.99$$

(h)
$$P(Z > -0.8) = \boxed{0.788}$$

(i)
$$Z = \boxed{1.17}$$



- (a) Determine z such that P(|Z| > z) = 0.4
- (b) Evaluate P(|Z| > 1.2)
- (c) Evaluate P(Z > 1.4)
- (d) Determine z such that P(Z < z) = 0.52
- (e) Determine z such that P(Z > z) = 0.62
- (f) Evaluate P(|Z| < 1.1)
- (g) Evaluate P(Z < 1.4)
- (h) Evaluate P(-0.9 < Z < 1.2)
- (i) Determine z such that P(|Z| < z) = 0.2

(a)
$$z = 0.84$$

(b)
$$P(|Z| > 1.2) = \boxed{0.23}$$

(c)
$$P(Z > 1.4) = \boxed{0.081}$$

(d)
$$z = 0.05$$

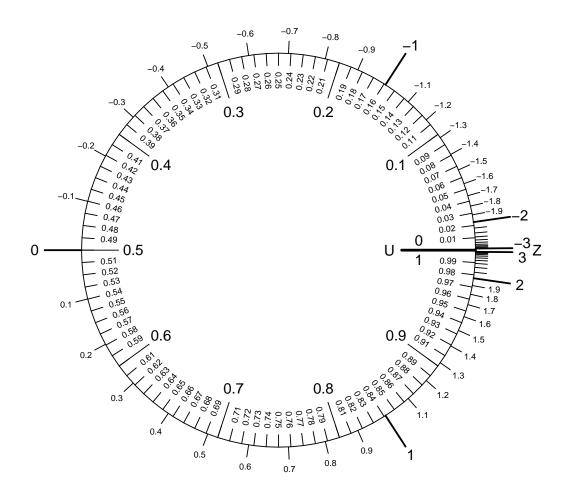
(e)
$$z = \boxed{-0.31}$$

(f)
$$P(|Z| < 1.1) = \boxed{0.729}$$

(g)
$$P(Z < 1.4) = \boxed{0.919}$$

(h)
$$P(-0.9 < Z < 1.2) = \boxed{0.701}$$

(i)
$$z = 0.25$$



- (a) Evaluate P(0.2 < Z < 0.7)
- (b) Determine z such that P(|Z| < z) = 0.7
- (c) Determine z such that P(|Z| > z) = 0.48
- (d) Evaluate P(Z > -0.4)
- (e) Evaluate P(|Z| < 0.3)
- (f) Evaluate P(Z < 2.1)
- (g) Determine z such that P(Z > z) = 0.51
- (h) Evaluate P(|Z| > 0.9)
- (i) Determine z such that P(Z < z) = 0.44

(a)
$$P(0.2 < Z < 0.7) = \boxed{0.179}$$

(b)
$$z = 1.04$$

(c)
$$Z = \boxed{0.71}$$

(d)
$$P(Z > -0.4) = \boxed{0.655}$$

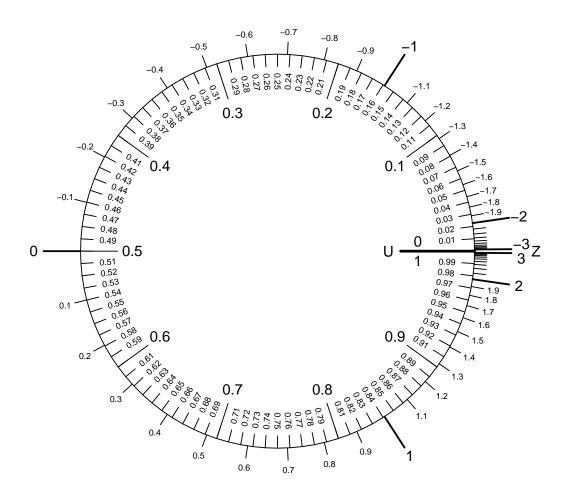
(e)
$$P(|Z| < 0.3) = \boxed{0.236}$$

(f)
$$P(Z < 2.1) = \boxed{0.982}$$

(g)
$$z = -0.03$$

(h)
$$P(|Z| > 0.9) = \boxed{0.368}$$

(i)
$$Z = \begin{bmatrix} -0.15 \end{bmatrix}$$



- (a) Determine z such that P(Z < z) = 0.59
- (b) Determine z such that P(|Z| < z) = 0.32
- (c) Evaluate P(-0.7 < Z < -0.6)
- (d) Evaluate P(Z < -1.8)
- (e) Evaluate P(|Z| > 1.6)
- (f) Evaluate P(Z > -0.4)
- (g) Determine z such that P(|Z| > z) = 0.66
- (h) Determine z such that P(Z > z) = 0.82
- (i) Evaluate P(|Z| < 0.6)

(a)
$$z = \boxed{0.23}$$

(b)
$$z = 0.41$$

(c)
$$P(-0.7 < Z < -0.6) = \boxed{0.032}$$

(d)
$$P(Z < -1.8) = \boxed{0.036}$$

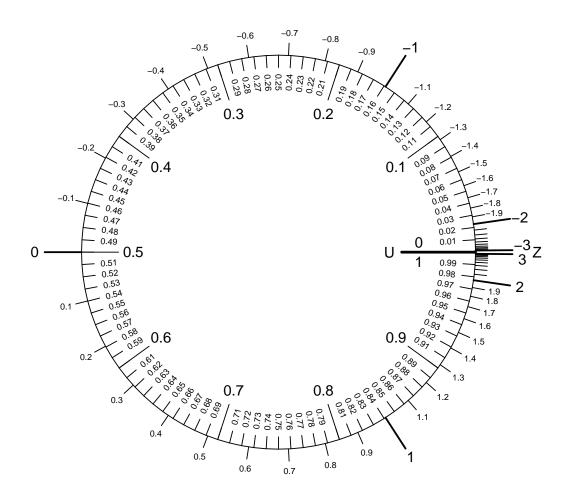
(e)
$$P(|Z| > 1.6) = \boxed{0.11}$$

(f)
$$P(Z > -0.4) = \boxed{0.655}$$

(g)
$$Z = 0.44$$

(h)
$$z = \boxed{-0.92}$$

(i)
$$P(|Z| < 0.6) = \boxed{0.451}$$



- (a) Evaluate P(Z > 0.6)
- (b) Determine z such that P(|Z| > z) = 0.94
- (c) Evaluate P(-0.2 < Z < 0.3)
- (d) Evaluate P(Z < -0.4)
- (e) Determine z such that P(Z > z) = 0.5
- (f) Evaluate P(|Z| < 1.1)
- (g) Determine z such that P(|Z| < z) = 0.04
- (h) Evaluate P(|Z| > 0.9)
- (i) Determine z such that P(Z < z) = 0.34

(a)
$$P(Z > 0.6) = \boxed{0.274}$$

(b)
$$z = 0.08$$

(c)
$$P(-0.2 < Z < 0.3) = \boxed{0.197}$$

(d)
$$P(Z < -0.4) = 0.345$$

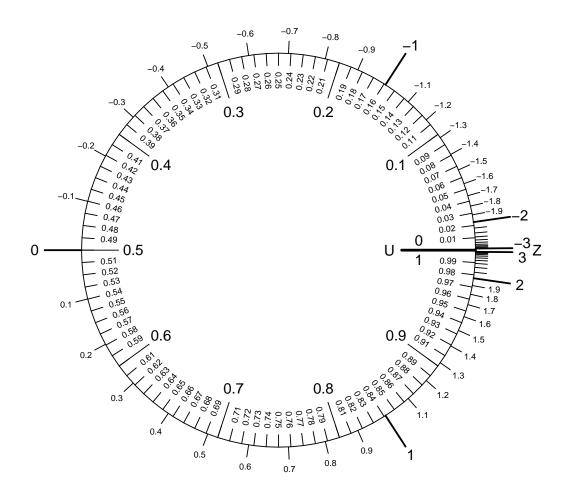
(e)
$$z = 0$$

(f)
$$P(|Z| < 1.1) = \boxed{0.729}$$

(g)
$$z = 0.05$$

(h)
$$P(|Z| > 0.9) = \boxed{0.368}$$

(i)
$$z = -0.41$$



- (a) Evaluate P(Z > 0)
- (b) Determine z such that P(Z > z) = 0.05
- (c) Determine z such that P(|Z| > z) = 0.22
- (d) Evaluate P(Z < -0.2)
- (e) Evaluate P(|Z| > 0.8)
- (f) Evaluate P(-1.3 < Z < -0.7)
- (g) Determine z such that P(|Z| < z) = 0.86
- (h) Evaluate P(|Z| < 0.2)
- (i) Determine z such that P(Z < z) = 0.74

(a)
$$P(Z > 0) = \boxed{0.5}$$

(b)
$$Z = \boxed{1.64}$$

(c)
$$z = \boxed{1.23}$$

(d)
$$P(Z < -0.2) = 0.421$$

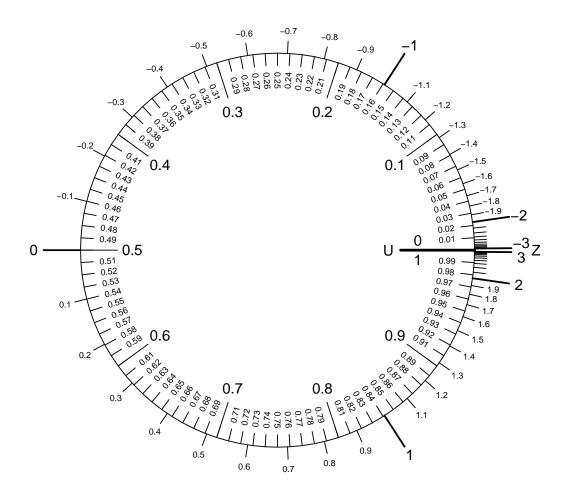
(e)
$$P(|Z| > 0.8) = \boxed{0.424}$$

(f)
$$P(-1.3 < Z < -0.7) = \boxed{0.145}$$

(g)
$$Z = 1.48$$

(h)
$$P(|Z| < 0.2) = \boxed{0.159}$$

(i)
$$z = \boxed{0.64}$$



- (a) Evaluate P(|Z| < 0.4)
- (b) Evaluate P(Z > -0.1)
- (c) Evaluate P(|Z| > 0.7)
- (d) Evaluate P(Z < 0.4)
- (e) Determine z such that P(Z > z) = 0.04
- (f) Evaluate P(-0.5 < Z < 2.1)
- (g) Determine z such that P(|Z| < z) = 0.16
- (h) Determine z such that P(Z < z) = 0.59
- (i) Determine z such that P(|Z| > z) = 0.48

(a)
$$P(|Z| < 0.4) = \boxed{0.311}$$

(b)
$$P(Z > -0.1) = \boxed{0.54}$$

(c)
$$P(|Z| > 0.7) = \boxed{0.484}$$

(d)
$$P(Z < 0.4) = \boxed{0.655}$$

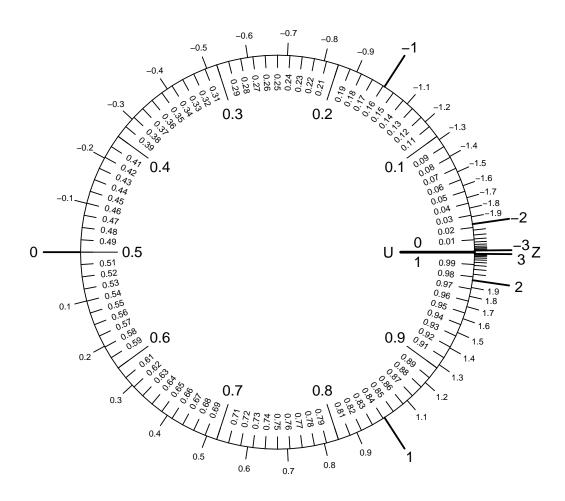
(e)
$$z = \boxed{1.75}$$

(f)
$$P(-0.5 < Z < 2.1) = 0.673$$

(g)
$$z = 0.2$$

(h)
$$z = \boxed{0.23}$$

(i)
$$z = \boxed{0.71}$$



- (a) Determine z such that P(|Z| > z) = 0.68
- (b) Evaluate P(|Z| < 1)
- (c) Evaluate P(Z < -1.5)
- (d) Evaluate P(|Z| > 1.3)
- (e) Determine z such that P(Z < z) = 0.28
- (f) Evaluate P(Z > 0)
- (g) Evaluate P(-1.7 < Z < 0.1)
- (h) Determine z such that P(Z > z) = 0.74
- (i) Determine z such that P(|Z| < z) = 0.38

(a)
$$z = 0.41$$

(b)
$$P(|Z| < 1) = \boxed{0.683}$$

(c)
$$P(Z < -1.5) = \boxed{0.067}$$

(d)
$$P(|Z| > 1.3) = \boxed{0.194}$$

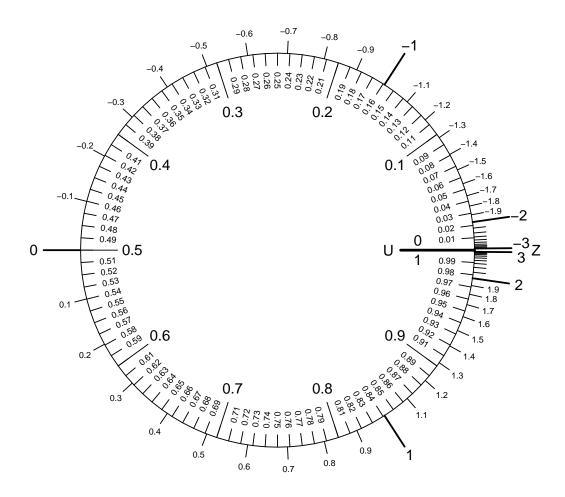
(e)
$$z = \boxed{-0.58}$$

(f)
$$P(Z > 0) = 0.5$$

(g)
$$P(-1.7 < Z < 0.1) = \boxed{0.495}$$

(h)
$$z = \boxed{-0.64}$$

(i)
$$z = 0.5$$



- (a) Evaluate P(|Z| < 0.1)
- (b) Determine z such that P(Z < z) = 0.39
- (c) Determine z such that P(Z > z) = 0.17
- (d) Evaluate P(|Z| > 1)
- (e) Evaluate P(Z > 1.3)
- (f) Evaluate P(-0.3 < Z < 0.3)
- (g) Determine z such that P(|Z| < z) = 0.16
- (h) Determine z such that P(|Z| > z) = 0.68
- (i) Evaluate P(Z < -2)

(a)
$$P(|Z| < 0.1) = \boxed{0.08}$$

(b)
$$z = \boxed{-0.28}$$

(c)
$$z = \boxed{0.95}$$

(d)
$$P(|Z| > 1) = \boxed{0.317}$$

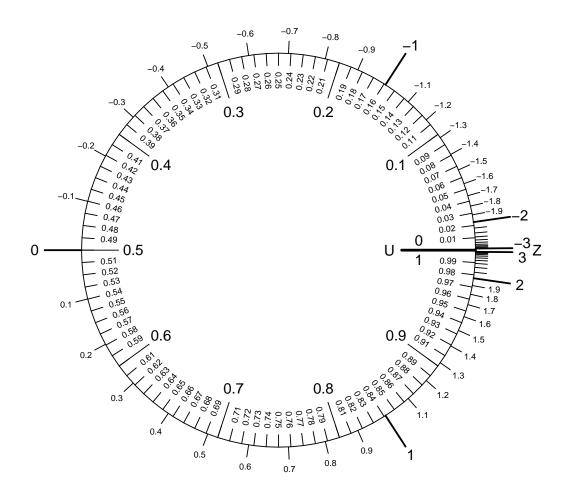
(e)
$$P(Z > 1.3) = \boxed{0.097}$$

(f)
$$P(-0.3 < Z < 0.3) = \boxed{0.236}$$

(g)
$$z = 0.2$$

(h)
$$z = 0.41$$

(i)
$$P(Z < -2) = \boxed{0.023}$$



- (a) Evaluate P(|Z| > 1.1)
- (b) Evaluate P(Z < 0.1)
- (c) Evaluate P(Z > -0.4)
- (d) Evaluate P(|Z| < 1.9)
- (e) Evaluate P(-1.3 < Z < 1)
- (f) Determine z such that P(|Z| > z) = 0.8
- (g) Determine z such that P(|Z| < z) = 0.06
- (h) Determine z such that P(Z < z) = 0.27
- (i) Determine z such that P(Z > z) = 0.13

(a)
$$P(|Z| > 1.1) = \boxed{0.271}$$

(b)
$$P(Z < 0.1) = \boxed{0.54}$$

(c)
$$P(Z > -0.4) = \boxed{0.655}$$

(d)
$$P(|Z| < 1.9) = \boxed{0.943}$$

(e)
$$P(-1.3 < Z < 1) = \boxed{0.744}$$

(f)
$$z = 0.25$$

(g)
$$z = 0.08$$

(h)
$$z = \boxed{-0.61}$$

(i)
$$Z = \boxed{1.13}$$



- (a) Evaluate P(|Z| < 0.6)
- (b) Determine z such that P(Z > z) = 0.1
- (c) Evaluate P(Z > 0.5)
- (d) Evaluate P(Z < 0.1)
- (e) Determine z such that P(|Z| < z) = 0.38
- (f) Evaluate P(|Z| > 1.6)
- (g) Evaluate P(-1.1 < Z < 1.3)
- (h) Determine z such that P(Z < z) = 0.98
- (i) Determine z such that P(|Z| > z) = 0.9

(a)
$$P(|Z| < 0.6) = \boxed{0.451}$$

(b)
$$z = \boxed{1.28}$$

(c)
$$P(Z > 0.5) = \boxed{0.309}$$

(d)
$$P(Z < 0.1) = \boxed{0.54}$$

(e)
$$z = 0.5$$

(f)
$$P(|Z| > 1.6) = \boxed{0.11}$$

(g)
$$P(-1.1 < Z < 1.3) = \boxed{0.767}$$

(h)
$$z = 2.05$$

(i)
$$z = 0.13$$



- (a) Evaluate P(0.2 < Z < 1.2)
- (b) Evaluate P(|Z| > 0.9)
- (c) Determine z such that P(|Z| > z) = 0.56
- (d) Evaluate P(Z > 1.3)
- (e) Determine z such that P(|Z| < z) = 0.36
- (f) Determine z such that P(Z < z) = 0.35
- (g) Evaluate P(Z < 0.4)
- (h) Evaluate P(|Z| < 0.3)
- (i) Determine z such that P(Z > z) = 0.98

(a)
$$P(0.2 < Z < 1.2) = \boxed{0.306}$$

(b)
$$P(|Z| > 0.9) = \boxed{0.368}$$

(c)
$$z = 0.58$$

(d)
$$P(Z > 1.3) = \boxed{0.097}$$

(e)
$$z = 0.47$$

(f)
$$z = -0.39$$

(g)
$$P(Z < 0.4) = 0.655$$

(h)
$$P(|Z| < 0.3) = \boxed{0.236}$$

(i)
$$z = -2.05$$



- (a) Determine z such that P(Z > z) = 0.93
- (b) Evaluate P(|Z| > 0.5)
- (c) Determine z such that P(Z < z) = 0.54
- (d) Evaluate P(-1.1 < Z < 1.2)
- (e) Evaluate P(Z < 0.2)
- (f) Evaluate P(Z > 0.9)
- (g) Determine z such that P(|Z| > z) = 0.32
- (h) Determine z such that P(|Z| < z) = 0.62
- (i) Evaluate P(|Z| < 0.3)

(a)
$$z = \boxed{-1.48}$$

(b)
$$P(|Z| > 0.5) = \boxed{0.617}$$

(c)
$$Z = \boxed{0.1}$$

(d)
$$P(-1.1 < Z < 1.2) = \boxed{0.749}$$

(e)
$$P(Z < 0.2) = \boxed{0.579}$$

(f)
$$P(Z > 0.9) = \boxed{0.184}$$

(g)
$$z = 0.99$$

(h)
$$z = 0.88$$

(i)
$$P(|Z| < 0.3) = \boxed{0.236}$$



- (a) Evaluate P(|Z| < 0.1)
- (b) Determine z such that P(|Z| < z) = 0.62
- (c) Evaluate P(0.1 < Z < 1.4)
- (d) Evaluate P(Z < -1)
- (e) Determine z such that P(Z < z) = 0.85
- (f) Evaluate P(Z > 1.1)
- (g) Determine z such that P(Z > z) = 0.2
- (h) Evaluate P(|Z| > 1.7)
- (i) Determine z such that P(|Z| > z) = 0.76

(a)
$$P(|Z| < 0.1) = \boxed{0.08}$$

(b)
$$z = 0.88$$

(c)
$$P(0.1 < Z < 1.4) = \boxed{0.379}$$

(d)
$$P(Z < -1) = \boxed{0.159}$$

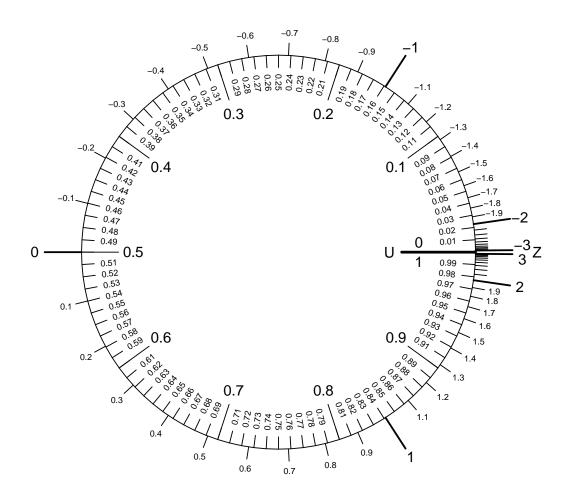
(e)
$$z = 1.04$$

(f)
$$P(Z > 1.1) = \boxed{0.136}$$

(g)
$$z = 0.84$$

(h)
$$P(|Z| > 1.7) = \boxed{0.089}$$

(i)
$$z = 0.31$$



- (a) Evaluate P(Z > -1.3)
- (b) Evaluate P(-1.9 < Z < 0.3)
- (c) Evaluate P(|Z| < 1.7)
- (d) Determine z such that P(Z < z) = 0.95
- (e) Determine z such that P(Z > z) = 0.44
- (f) Evaluate P(|Z| > 0.6)
- (g) Determine z such that P(|Z| < z) = 0.7
- (h) Determine z such that P(|Z| > z) = 0.56
- (i) Evaluate P(Z < 0.7)

(a)
$$P(Z > -1.3) = \boxed{0.903}$$

(b)
$$P(-1.9 < Z < 0.3) = \boxed{0.589}$$

(c)
$$P(|Z| < 1.7) = \boxed{0.911}$$

(d)
$$z = 1.64$$

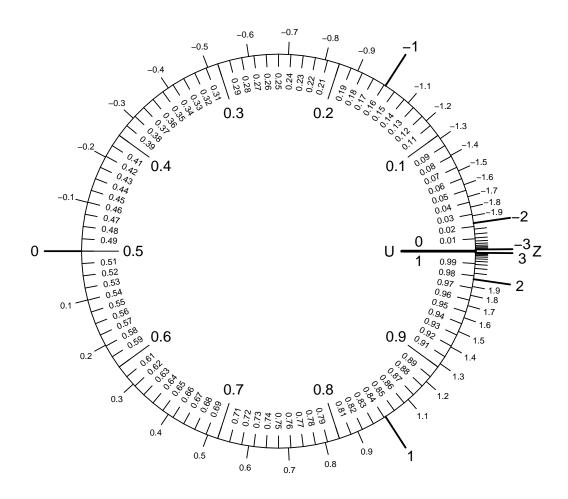
(e)
$$z = \boxed{0.15}$$

(f)
$$P(|Z| > 0.6) = \boxed{0.549}$$

(g)
$$z = 1.04$$

(h)
$$z = 0.58$$

(i)
$$P(Z < 0.7) = \boxed{0.758}$$



- (a) Evaluate P(|Z| < 1.1)
- (b) Determine z such that P(|Z| < z) = 0.86
- (c) Determine z such that P(Z > z) = 0.85
- (d) Evaluate P(-0.3 < Z < -0.2)
- (e) Evaluate P(Z > -0.6)
- (f) Determine z such that P(Z < z) = 0.73
- (g) Evaluate P(|Z| > 1.4)
- (h) Determine z such that P(|Z| > z) = 0.7
- (i) Evaluate P(Z < 1.6)

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(a) $P(|Z| < 1.1) = \boxed{0.729}$

(b)
$$Z = \boxed{1.48}$$

(c)
$$Z = \boxed{-1.04}$$

(d)
$$P(-0.3 < Z < -0.2) = \boxed{0.039}$$

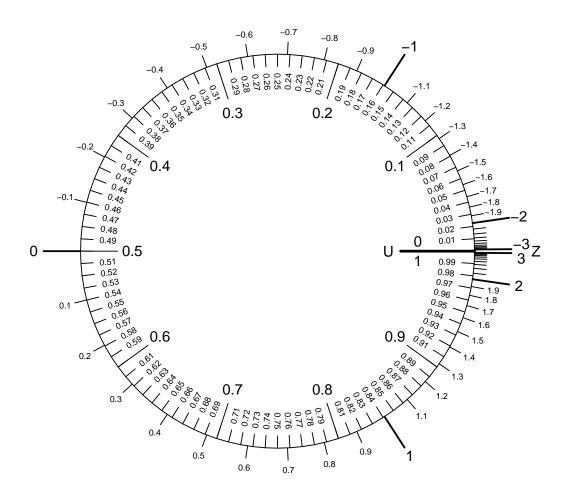
(e)
$$P(Z > -0.6) = \boxed{0.726}$$

(f)
$$Z = 0.61$$

(g)
$$P(|Z| > 1.4) = \boxed{0.162}$$

(h)
$$z = 0.39$$

(i)
$$P(Z < 1.6) = \boxed{0.945}$$



- (a) Evaluate P(Z > 0.5)
- (b) Determine z such that P(|Z| > z) = 0.32
- (c) Determine z such that P(Z > z) = 0.9
- (d) Evaluate P(|Z| < 0.9)
- (e) Evaluate P(Z < 0)
- (f) Evaluate P(-0.3 < Z < -0.2)
- (g) Determine z such that P(Z < z) = 0.78
- (h) Evaluate P(|Z| > 1)
- (i) Determine z such that P(|Z| < z) = 0.24

(a)
$$P(Z > 0.5) = \boxed{0.309}$$

(b)
$$z = 0.99$$

(c)
$$z = \boxed{-1.28}$$

(d)
$$P(|Z| < 0.9) = \boxed{0.632}$$

(e)
$$P(Z < 0) = \boxed{0.5}$$

(f)
$$P(-0.3 < Z < -0.2) = \boxed{0.039}$$

(g)
$$Z = \boxed{0.77}$$

(h)
$$P(|Z| > 1) = \boxed{0.317}$$

(i)
$$z = 0.31$$