

- (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)
$$z = 1.04$$

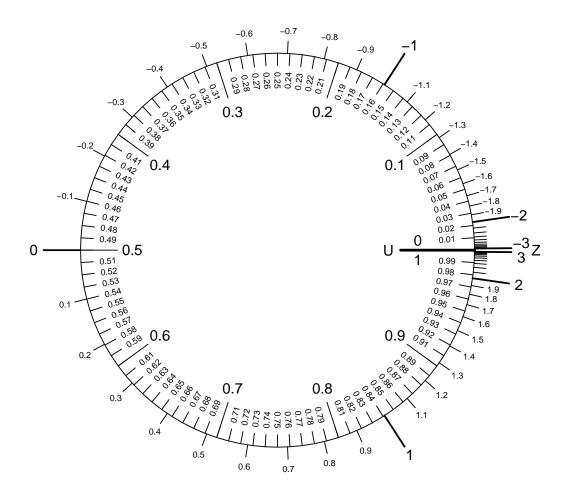
(e)
$$P(0.4 < Z < 0.5) = \boxed{0.036}$$

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

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

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

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

(d)
$$z = 0.52$$

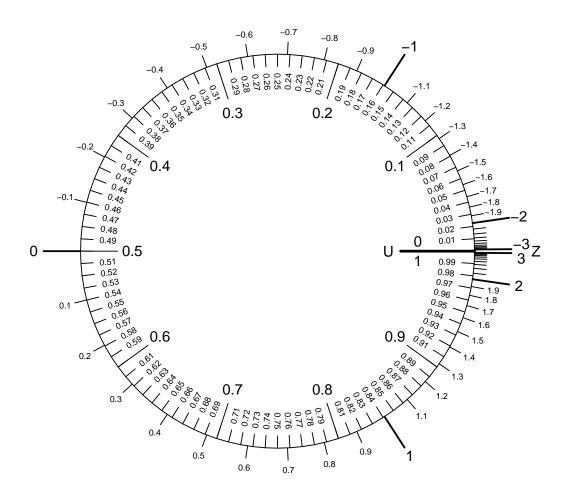
(e)
$$P(-1.1 < Z < 0.4) = \boxed{0.519}$$

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

(g)
$$Z = 0.84$$

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

(i)
$$z = \boxed{0.39}$$



- (a) Determine z such that P(|Z| < z) = 0.1
- (b) Determine z such that P(Z < z) = 0.12
- (c) Evaluate P(Z > 1)
- (d) Evaluate P(Z < -0.4)
- (e) Determine z such that P(Z > z) = 0.84
- (f) Determine z such that P(|Z| > z) = 0.84
- (g) Evaluate P(|Z| < 1)
- (h) Evaluate P(|Z| > 0.4)
- (i) Evaluate P(-0.1 < Z < 0.2)

(a)
$$z = \boxed{0.13}$$

(b)
$$z = -1.17$$

(c)
$$P(Z > 1) = \boxed{0.159}$$

(d)
$$P(Z < -0.4) = \boxed{0.345}$$

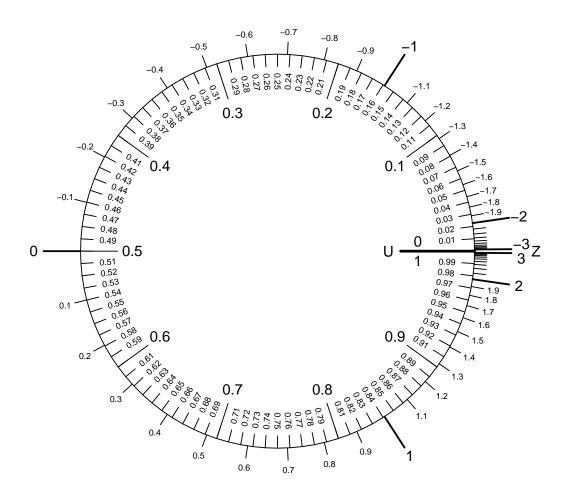
(e)
$$z = \boxed{-0.99}$$

(f)
$$z = 0.2$$

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

(h)
$$P(|Z| > 0.4) = \boxed{0.689}$$

(i)
$$P(-0.1 < Z < 0.2) = \boxed{0.119}$$



- (a) Evaluate P(-0.5 < Z < -0.4)
- (b) Evaluate P(|Z| > 1.4)
- (c) Determine z such that P(Z < z) = 0.11
- (d) Determine z such that P(|Z| < z) = 0.72
- (e) Determine z such that P(|Z| > z) = 0.82
- (f) Evaluate P(|Z| < 1.6)
- (g) Evaluate P(Z < 0.3)
- (h) Evaluate P(Z > -1.2)
- (i) Determine z such that P(Z > z) = 0.84

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

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

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

(d)
$$z = 1.08$$

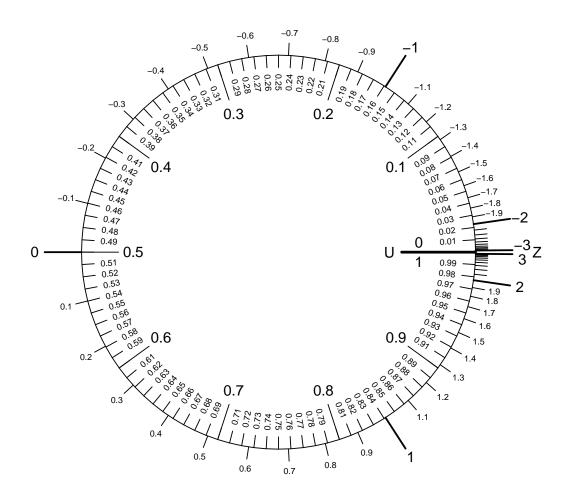
(e)
$$z = 0.23$$

(f)
$$P(|Z| < 1.6) = \boxed{0.89}$$

(g)
$$P(Z < 0.3) = \boxed{0.618}$$

(h)
$$P(Z > -1.2) = 0.885$$

(i)
$$z = \begin{bmatrix} -0.99 \end{bmatrix}$$



- (a) Determine z such that P(|Z| > z) = 0.46
- (b) Determine z such that P(Z > z) = 0.41
- (c) Determine z such that P(|Z| < z) = 0.8
- (d) Determine z such that P(Z < z) = 0.55
- (e) Evaluate P(-0.9 < Z < 1.1)
- (f) Evaluate P(|Z| > 1.3)
- (g) Evaluate P(Z < 0.2)
- (h) Evaluate P(|Z| < 0.6)
- (i) Evaluate P(Z > 0.4)

(a)
$$z = \boxed{0.74}$$

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

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

(d)
$$z = \boxed{0.13}$$

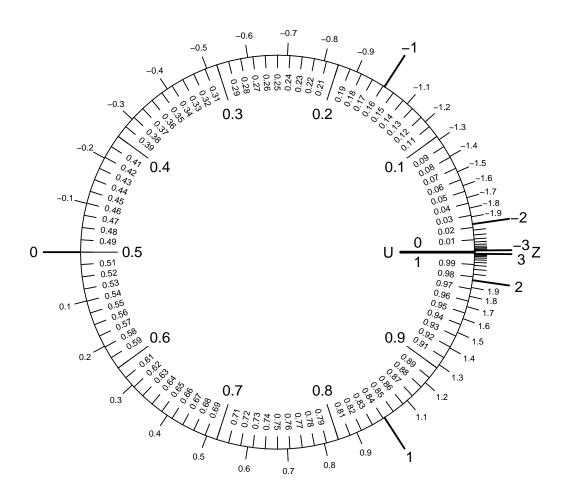
(e)
$$P(-0.9 < Z < 1.1) = 0.68$$

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

(g)
$$P(Z < 0.2) = 0.579$$

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

(i)
$$P(Z > 0.4) = \boxed{0.345}$$



- (a) Determine z such that P(|Z| > z) = 0.54
- (b) Determine z such that P(Z > z) = 0.59
- (c) Evaluate P(Z > -0.9)
- (d) Evaluate P(|Z| > 1.4)
- (e) Evaluate P(|Z| < 0.1)
- (f) Evaluate P(Z < 1.6)
- (g) Determine z such that P(|Z| < z) = 0.6
- (h) Determine z such that P(Z < z) = 0.97
- (i) Evaluate P(-0.6 < Z < 0.5)

(a)
$$z = 0.61$$

(b)
$$z = \boxed{-0.23}$$

(c)
$$P(Z > -0.9) = \boxed{0.816}$$

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

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

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

(g)
$$z = 0.84$$

(h)
$$z = \boxed{1.88}$$

(i)
$$P(-0.6 < Z < 0.5) = \boxed{0.417}$$