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In Class Confidence Intervals
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Question 1
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```
qnorm(c(0.05, 0.95))
-1.644854 1.644854
```

Question 2

```
qt(0.975, 10, lower.tail = FALSE)
qt(0.975, 10, lower.tail = TRUE)
OR
qt(c(0.025, 0.975), 10)
-2.228139 2.228139
```

Question 3

qnorm(.025) qt(0.025, 100) **100**

Question 4

qnorm(.025) qt(0.025, 475) **475**

Question 5

```
qt(c(0.025, .975), df=49, lower.tail = FALSE)
```

2.009575 -2.009575

Question 6

```
10-(0.4440631*qt(.025, 49))
      10+(0.4440631*qt(.025, 49))
      9.107622 10.89238
      OR
      mean=10
      sd=3.14
      n=50
      tcrit=2.009575
      sse=sd/(sqrt(n))
      #radius
      radius=tcrit*sse
      #CI upper & lower
      mean+radius
      mean-radius
      10.89238
```

9.107622