HW10.24

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Problem 1

```r
qnorm(0.44)
```

```
[1] -0.1509692
```

Problem 2

```r
qnorm(1 - 0.87, 12, 3)
```

```
[1] 8.620827
```

Problem 3

a)

```r
1 - pnorm(83, 77, 5)
```

```
[1] 0.1150697
```

b)

```r
qnorm(0.10, 77, 5)
```

[1] 70.59224

Problem 4

(a)

```r
pnorm(1.50, 1.55, 0.06)
```

[1] 0.2023284

(b)

```r
qnorm(0.98, 1.55,  0.06)
```

[1] 1.673225