Section_3.6.R

Student

Wed Oct 24 16:59:32 2018

```
# 3.6-8
pnorm(3.2, mean = 8/3, sd = sqrt(8/3), lower.tail = TRUE, log.p = FALSE)-pnorm(1.7, mean = 8/3, sd = sq
```

```
## [1] 0.3510756
```

```
# 3.6-11
pnorm(0.5/(3/10), mean = 0, sd = 1, lower.tail = TRUE, log.p = FALSE)
```

```
## [1] 0.9522096
```

```
# 3.6-12 Using gamma distribution (test)
pgamma(6, shape=3, scale = 2, lower.tail = TRUE, log.p = FALSE)
```

```
## [1] 0.5768099
```

```
# 3.6-14
qnorm(0.20, mean = 0, sd = 1, lower.tail = FALSE, log.p = FALSE)
```

```
## [1] 0.8416212
```