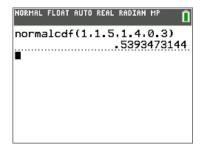Height of cacti are normally distributed with a mean of 1.4 m and a standard deviation of 0.3 m.

1. 68% of the cacti are between...

2. What percent of cacti are between 0.8 and 2m tall?

```
NORMAL FLOAT AUTO REAL RADIAN MP
normalcdf(0.8,2,1.4,0.3)
                    .954499876
```

3. What percent of cacti are between 1.0 and 1.5 meters tall?

```
NORMAL FLOAT AUTO REAL RADIAN MP
normalcdf(1,1.5,1.4,0.3)
                    .5393473144
```

4. What percent of cacti are less than 1.38 meters tall?

```
NORMAL FLOAT AUTO REAL RADIAN MP
normalcdf(-ᴇ99,1.38,1.4,0▶
                    .4734234648
```

5. What percent of cacti are likely more than 1.0 meters tall?

```
NORMAL FLOAT AUTO REAL RADIAN MP
normalcdf(1,ᴇ99,1.4,0.3)
                    .9087887181
■
```

6. Find the 90th percentile of cactus height...

```
NORMAL FLOAT AUTO REAL RADIAN MP
invNorm(0.9,1.4,0.3)
                    1.78446547
```