

BINOMIAL PROBABILITIES

TI-84 Plus

To find $P(X = 2)$ for $X \sim B(10, 0.3)$, press **2nd** **VAR** (**DISTR**)
and select **A:binompdf**(. Press 10 **,** 0.3 **,** 2 **)** **ENTER**.
So, $P(X = 2) \approx 0.233$.

```
binompdf(10,0.3,  
2)  
.2334744405
```

To find $P(X \leq 5)$ for $X \sim B(10, 0.3)$, press **2nd** **VAR** (**DISTR**)
and select **B:binomcdf**(. Press 10 **,** 0.3 **,** 5 **)** **ENTER**.
So, $P(X \leq 5) \approx 0.953$.

```
binomcdf(10,0.3,  
5)  
.9526510126
```