

## CALCULATING THE TEST STATISTIC AND CRITICAL VALUE

### Z-Test:

- 
- 

$$\begin{aligned} &= \frac{\bar{x} - \mu_0}{\frac{s}{\sqrt{n}}} \\ &= \frac{1.2 - 1.0}{\sqrt{\frac{0.2^2}{1} + \frac{0.2^2}{2}}} \\ &= 0.5 \end{aligned}$$

-