

- **a** In terms of this problem, what is a type I error?
- **b** Find  $\alpha$ .
- **c** In terms of this problem, what is a type II error?
- **d** Find  $\beta$  when p = .6.
- **e** Find  $\beta$  when p = .4.

b. 
$$a = P(reject Hol Ho is true)$$
  $y \sim Bin(20, 0.8)$   
=  $P(y \le ra \mid P = 0.8)$  a significance of the test  
= 0.032

d. 
$$\beta = \frac{1}{4} \int \frac{dx}{dx} dx = \frac{1-\beta}{2} \int \frac{$$