

13-6

a)  $p$

b)  $\hat{p}$

c)  $\hat{p}$

d)  $\bar{x}$

e)  $\mu$

13-7

a)  $\sqrt{\frac{0(1-0)}{1000}} = 0$

b) .5

$\sqrt{\frac{.2(1-.2)}{1000}} = .0127$  c) 0,1

$\sqrt{\frac{.4(1-.4)}{1000}} = .0155$

$\sqrt{\frac{.5(1-.5)}{1000}} = .0158$

$\sqrt{\frac{.6(1-.6)}{1000}} = .0155$

$\sqrt{\frac{.8(1-.8)}{1000}} = .0127$

$\sqrt{\frac{1(1-1)}{1000}} = 0$

12-8

a)  $\sqrt{\frac{.4(1-.4)}{100}} = .04899$

$\sqrt{\frac{.4(1-.4)}{200}} = .0346$

$\sqrt{\frac{.4(1-.4)}{400}} = .0245$

$\sqrt{\frac{.4(1-.4)}{800}} = .0173$

$\sqrt{\frac{.4(1-.4)}{1600}} = .0122$

b) smaller  
as n inc.c) 4x