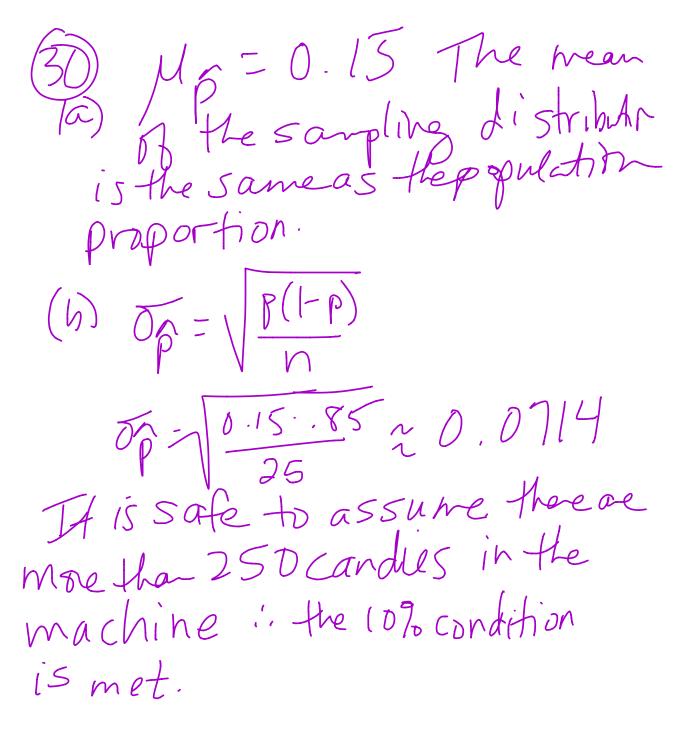
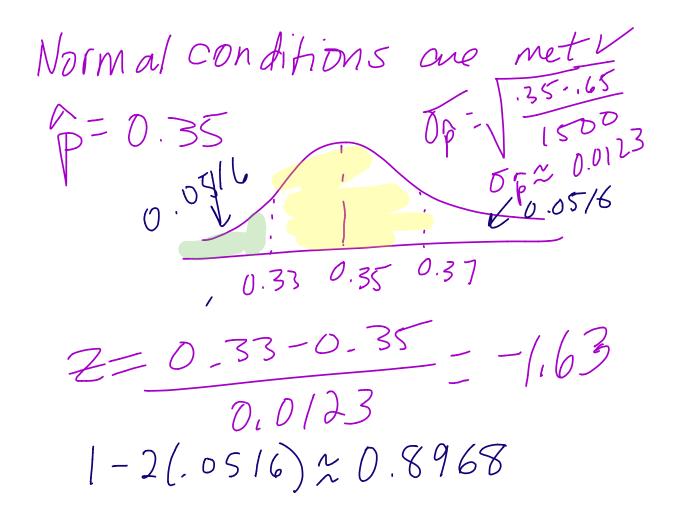
Please complete #28 and #30 on pages 439 and 440. 28. Yes this is a surprising result because 0.32 is very far from the center of the distribution.



(c) NP-> 25(.15)-3.75 3.75 < 10 The sampling distribution is not normal (the condition is not met.) d) n=75 Normal? NP 75(.15)=11.25 The condition is met in the sampling distribution is normal.



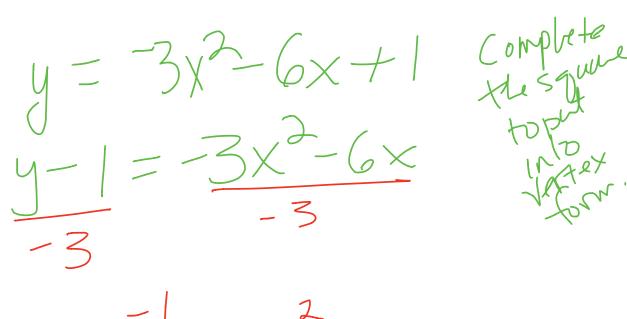
About 90% of all SRS of SIZE 1500 would give a Value within 2 percentage points of the actual population.

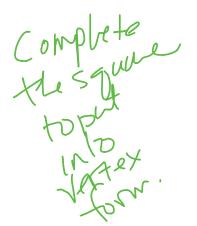
> problem # 40 onp. 441. dentify the vertex =6(X=1) +14 $y = 2(x+3)^2 + 7$ $\left(\mathcal{L}\right)$ (x,y) (3) V + : (3,2) p + : (-4,4)put this into an equation (vt.form) $y = q(x - h)^2 + K$ $4 = q(-4-3)^{2} + 2$ $4 = 9(-7)^{2} + 2$ 4 = 49|a| + 2a = 2/492= 49a

 $exy = 2x^2 + 12x + 25$ $y = 2(x^2 + 6x) + 25$ $y = \lambda(x^2 + bx + q) + 25 - 18$ $y = 2(x+3)^{2} + 7$ $y = 2x^{2} + 12x + 25$ $\frac{0}{2} - \frac{25}{2} = \frac{2x^2 + 12x}{2}$ $9+\frac{y-25}{5}=\chi^2+6\chi+9$ 9+ <u>y-25</u> = (X+3)

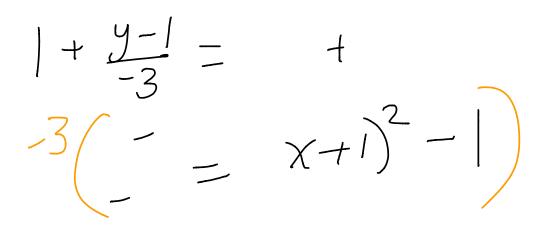
 $2(9-2) = (\chi+3)^2 - 9$ $y - 25 = 2(x+3)^2 - 18$ $\frac{y=2(x+3)+7}{y=a(x+3)+K}$ X=- = - X-coordinate of 20 Vertex $y = 2x^2 + 12x + 25$ $\chi = -\frac{12}{2\cdot 2} = -\frac{12}{4} = -3$ $y = 2(-3)^{2} + 12(-3) + 25$

y = 18 - 36 + 25 = 7 $(-3,7)^{V}$









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