

Test One

$$(0-0.25)^2 \cdot 0.86 + (1-0.25)^2 \cdot 0.06 = 0.0875$$

$$(2-0.25)^2 \cdot 0.05 + 0.0875 + (3-0.25)^2 \cdot 0.03 = 0.4675$$

$$\frac{10!}{7!(10-7)!} \cdot (0.8)^7 \cdot (0.2)^{(10-7)} = 0.2013$$

$$1 \cdot (0.8)^0 \cdot (0.2)^{10} = 0.0000001024$$

$$\frac{10!}{0!(10-0)!} = 1$$

$$3(0.001) + 4(0.005) + 5(0.027) + 6(0.038) + 7(0.201) = 2.093$$

$$2.093 + 8(0.302) + 9(0.269) + 10(0.107) = 8$$

$$0.8 \cdot 0.2 \cdot 100 = 16$$

$$\sqrt{1.6} = 1.2649$$

$$1 - 0.0418 = 0.9582$$

$$0.2810 - 0.0643 = 0.2167$$

$$0.9115 - 0.7734 = 0.1381$$

$$0.4750 \cdot 2 = 0.95$$

$$\frac{39 - 40}{6.3} = -0.1587$$

$$\frac{46.3 - 40}{6.3} = 1$$

$$0.9773 - 0.8413 = 0.136$$

$$52.6 - 40 = 12.6$$

6.3

$$\frac{59-50}{6} = 1.5$$

$$\frac{48.5-47.5}{1.1762} = 0.8502$$

$$\frac{8.4}{\sqrt{51}} = 1.1762$$

$$1 - .8023 = 0.1977$$

$$\frac{40-52}{25} = -0.48$$

$$0.6255 - 0.3156 = 0.3099$$

$$\frac{60-52}{25} = 0.32$$

$$\frac{25}{\sqrt{4}} = 12.5$$

$$\frac{65-52}{12.5} = 1.04$$

$$\frac{60-52}{12.5} = 0.64$$

$$1 - 0.7839 = 0.2161$$

$$\frac{25}{\sqrt{50}} = 3.5355$$

$$\frac{60-52}{3.5355} = 2.2628$$

$$1 - 0.9881 = 0.0119$$

$$\frac{25}{\sqrt{80}} = 2.7951$$

$$\frac{50-52}{2.7951} = -0.7155$$

$$\frac{55 - 52}{2.7951} = 1.0733$$

$$0.8577 - 0.2358 = 0.6219$$

$$\frac{36 - 40}{6.3} = -0.6349$$

$$\sqrt{10 \cdot 0.8 \cdot 0.2} = 1.2649$$

$$\frac{10!}{6!(4)!} = 210$$

$$210 \cdot (0.8)^6 \cdot (0.2)^4 = 0.08808$$

$$\frac{10!}{9!} = 10$$

$$10 \cdot 0.8 \cdot (0.2)^9 = 0.000004096$$

$$\frac{10!}{8!(2)!} (0.8)^8 \cdot (0.2)^2 = 0.302$$

$$\frac{10!}{7!(3)!} (0.8)^7 (0.2)^3 = 0.2013$$

$$\frac{10!}{9!(1)!} \cdot (0.8)^9 (0.2)^1 = 0.2684$$

$$(0.8)^{10} = 0.1074$$

$$0.107 + 0.268 + 0.201 + 0.302 = 0.878$$

$$1 - 0.878 = 0.122$$