

**3**, Solution 28.16:  $1\% = \text{Prob}[\bar{X} \leq c \mid \mu = 25] = \Phi[(c - 25)/(17/\sqrt{50})]$ .

$$\Rightarrow -2.326 = (c - 25)/(17/\sqrt{50}). \Rightarrow c = 25 - 2.326 (17/\sqrt{50}) = 19.41.$$

Final solution is okay.

**9**, p.26:  $c_0 = \{0.06^2 + 0.03^2 + 0.01^2 + 0.04^2 + 0.01^2 + \mathbf{0.04^2} + 0.06^2 + 0.03^2\} / 8 = 0.00155$ .