I have made the following corrections to SOA 300 solutions April 19, 2012:

- 96. in the diagram, replace each 100 with 1000.
- 152. in the first equation, replace p_{x+2}^{24} with p_{x+2}^{14} .
- 155. oops, I had the wrong solution to this problem. The solution should be:

 Add up the force of mortality between ages 0 and 0.4, take the negative and take the exponential

$$0.4p_0 = \exp\left(-\int_0^{0.4} F + e^{2t} dt\right)$$
$$0.5 = \exp\left(-\left[Ft + \frac{e^{2t}}{2}\right]_0^{0.4}\right)$$
$$0.5 = \exp\left(-0.4F - \frac{e^{0.8}}{2} + \frac{1}{2}\right)$$
$$-\ln 0.5 = 0.4F + \frac{e^{0.8}}{2} - \frac{1}{2}$$
$$F = \boxed{0.20}$$

- 180. this is actually the solution to 181 (180 was removed from syllabus).
- 185. in the picture replace DB = $1000 + {}_{1}V$ with DB = $1000(1) + {}_{1}V$ and DB = $1000(2) + {}_{2}V$. In the recursion for the second year replace 1000 + 1000 with 1000(2) + 2000.
- 186. in the σ_S line replace 12.85445 with 12.8445.
- 199. in the first line replace 0.15(100) with 0.15(1000).
- 203. under the section labeled "where", \bar{a}_{30} computes to 7.3 (not 6.25).
- 207. in the next to last line I'm missing a squared symbol. It should be

$$\int_0^{50} \frac{1 - (0.01(30 + s))^2}{0.91} \, ds$$

284. in the first line replace $\frac{m^2-1}{12m}$ with $\frac{m^2-1}{12m^2}$. In the second line replace $\frac{2^2-1}{12(2)}$ with $\frac{2^2-1}{12(2^2)}$. In the third line replace $\frac{4^2-1}{12(4)}$ with $\frac{4^2-1}{12(4^2)}$. In the last line replace $\frac{12^2-1}{12(12)}$ with $\frac{12^2-1}{12(12^2)}$.