Recitation 13 Solutions
April 11, 2006

1. \( E[AB] = E[(W + X)(X + Y)] = E[WX + X^2 + XY + WY] = \)
\( E[X^2] = var(X) + E[X]^2 = 1 \)

\( E[AC] = E[(W + X)(Y + Z)] = E[WY + XY + XZ + WZ] = 0 \)

2. Solution is in the text, pp. 264–265.

3. Solution is in the text, pp. 267–268.