7. 
$$P_0 = \frac{2^0}{0!} e^{-2} = 0.1353$$
  
 $P_2 = \frac{2^2}{2!} e^{-2} = 0.2767$ 

4. 
$$\frac{7}{10}$$
  $\frac{6}{9}$   $\frac{9}{11}$   $\frac{8}{10}$  = 0.3054

$$\frac{7}{70}, \frac{6}{9}, \frac{2}{11}, \frac{1}{10} + \frac{3}{10}, \frac{2}{9}, \frac{9}{11}, \frac{8}{10}, \left(\frac{7}{16}, \frac{3}{9}, \frac{3}{10}, \frac{7}{9}\right).$$

$$\left(\frac{9}{11}, \frac{2}{10}, \frac{2}{11}, \frac{2}{10}\right) = 0.2098$$