$$\frac{\binom{13}{7}\binom{13}{5}\binom{13}{1}}{\binom{52}{13}} \frac{\mathbf{p}(4,3)\binom{13}{7}\binom{13}{5}\binom{13}{1}}{\binom{52}{13}} \mathbf{c.} \frac{\binom{13}{7} + \binom{13}{5} + \binom{13}{1}}{\binom{52}{13}}$$

$$\frac{\mathbf{p}(4,3)\binom{13}{7}\binom{39}{5}\binom{26}{1}}{\binom{52}{3}} \mathbf{e.} \frac{\binom{13}{7} + \binom{39}{5} + \binom{26}{1}}{\binom{52}{13}}$$

$$\frac{1}{5}$$
b.  $\frac{9}{32}$ c.  $\frac{5}{9}$ d.  $\frac{5}{8}$ e.  $\frac{5}{36}$ 

$$\frac{3}{14}$$
b.  $\frac{3}{8}$ c.  $\frac{9}{28}$ d.  $\frac{5}{8}$ e.  $\frac{3}{28}$ 

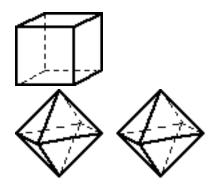
$$\frac{\binom{3}{1} + \binom{7}{2} + \binom{10}{3}}{\frac{20}{6}} \quad \mathbf{b.} \frac{1}{3} \lozenge \frac{2}{7} \lozenge \frac{3}{10} \mathbf{c.} \frac{\binom{3}{1} + \binom{7}{2} + \binom{10}{3}}{\binom{20}{6}}$$
$$\frac{\binom{3}{1}\binom{7}{2}\binom{10}{3}}{20} \mathbf{e.} \frac{\binom{3}{1}\binom{7}{2}\binom{10}{3}}{\binom{20}{6}}$$

$$\frac{17}{36}$$
**b.**  $\frac{1}{2}$ **c.**  $\frac{5}{6}$ **d.**  $\frac{5}{12}$ **e.**  $\frac{4}{9}$ 

$$\frac{2}{5}$$
.

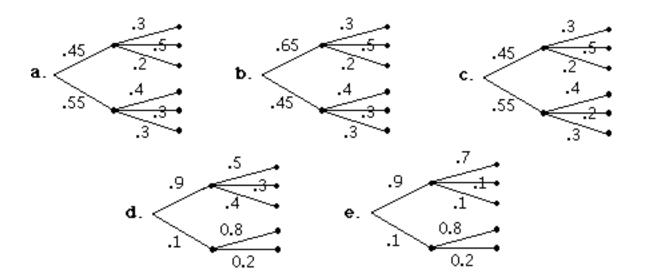
$$\frac{2}{3}$$
**b.** 0.54**c.**  $\frac{.9}{.6}$ **d.** 0.96**e.**  $\frac{9}{10}$ 

$$\frac{\binom{5}{2} + \binom{35}{3}}{\frac{1}{8}} \mathbf{b} \cdot \frac{2}{5} \lozenge \frac{3}{35} \mathbf{c} \cdot \frac{\binom{5}{2} + \binom{35}{3}}{\binom{40}{5}}$$
$$\frac{\binom{5}{2}\binom{35}{3}}{40} \mathbf{e} \cdot \frac{\binom{5}{2}\binom{35}{3}}{\binom{40}{5}}$$



$$\frac{1}{12}$$
**b.**  $\frac{1}{5}$ **c.**  $\frac{2}{3}$ **d.**  $\frac{3}{5}$ **e.**  $\frac{1}{4}$ 

$$\frac{4}{15}$$
 d. 0.4 e.  $\frac{6}{37}$ 



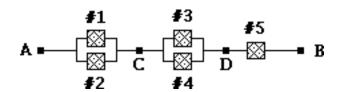
$$\left(\frac{5}{6}\right)^{100}$$
 c. 1 -  $\left(\frac{5}{6}\right)^{100}$  d.  $\frac{100}{6^{100}}$  e.  $\frac{500}{6^{100}}$ 

$$\frac{21}{62}$$
**b.**  $\frac{2}{3}$ **c.**  $\frac{28}{31}$ **d.**  $\frac{3}{31}$ **e.**  $\frac{116}{62}$ 

$\underline{k} Pr(X=1)$	<u>k</u> <u>Pr(X=1</u>	k) $k$ $Pr(X=k)$
0.25	0.25	0.25
<b>2.</b> 40	b. Ø.25	c. Ø.25
<b>6.</b> 20	30.3	<b>0</b> .25
<b>9</b> .15	40.2	<b>9</b> .25

## Error!

 $\frac{1}{3}$ 



. . . .

$$\frac{11}{16}$$
**b.** 2**c.**  $\frac{5}{8}$ **d.**  $\frac{35}{64}$ **e.**  $5\frac{1}{2}$ 

k	-2	-1	1	2	
Pr(Y=k)	.2	.3	.2	.3	

$$\begin{array}{ccc}
k & Pr(Y^2-1=k) \\
1 & 0.5 \\
4 & 0.5
\end{array}$$

**b.** 
$$\begin{array}{|c|c|c|} \hline k & Pr(Y^2 - 1 = k) \\ \hline 0 & 0.4 \\ \hline 3 & 0.6 \\ \hline \end{array}$$

c. 
$$\begin{vmatrix} k & Pr(Y^2 - 1 = k) \\ 0 & 0.5 \\ 3 & 0.5 \end{vmatrix}$$

e. 
$$\begin{array}{|c|c|} \hline k & Pr(Y^2 - 1 = k) \\ 0 & 0.25 \\ 3 & 0.75 \\ \hline \end{array}$$