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$$\frac{\binom{13}{7}\binom{13}{5}\binom{13}{1}}{\binom{52}{13}} \quad \text{b.} \quad \frac{P(4,3)\binom{13}{7}\binom{13}{5}\binom{13}{1}}{\binom{52}{13}} \quad \text{c.} \quad \frac{\binom{13}{7} + \binom{13}{5} + \binom{13}{1}}{\binom{52}{13}}$$

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

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$$000 \frac{1}{5} \text{b.} \frac{9}{32} \text{c.} \frac{5}{9} \text{d.} \frac{5}{8} \text{e.} \frac{5}{36}$$

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

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$$000 \frac{\binom{3}{1} + \binom{7}{2} + \binom{10}{3}}{\frac{20}{6}} \quad \text{b. } \frac{1}{3} \diamond \frac{2}{7} \diamond \frac{3}{10} \quad \text{c. } \frac{\binom{3}{1} + \binom{7}{2} + \binom{10}{3}}{\binom{20}{6}}$$

$$000 \frac{\binom{3}{1}\binom{7}{2}\binom{10}{3}}{20} \quad \text{e. } \frac{\binom{3}{1}\binom{7}{2}\binom{10}{3}}{\binom{20}{6}}$$

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$$000 \frac{17}{36} \quad \text{b. } \frac{1}{2} \quad \text{c. } \frac{5}{6} \quad \text{d. } \frac{5}{12} \quad \text{e. } \frac{4}{9}$$

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000 $\frac{2}{3}$ b. 0.54 c. $\frac{.9}{.6}$ d. 0.96 e. $\frac{9}{10}$

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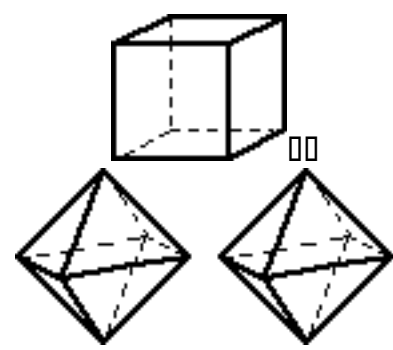
000 $\frac{\binom{5}{2} + \binom{35}{3}}{\frac{1}{8}}$ b. $\frac{2}{5} \diamond \frac{3}{35}$ c. $\frac{\binom{5}{2} + \binom{35}{3}}{\binom{40}{5}}$

000 $\frac{\binom{5}{2}\binom{35}{3}}{40}$ e. $\frac{\binom{5}{2}\binom{35}{3}}{\binom{40}{5}}$

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000 $\frac{1}{12}$ b. $\frac{1}{5}$ c. $\frac{2}{3}$ d. $\frac{3}{5}$ e. $\frac{1}{4}$

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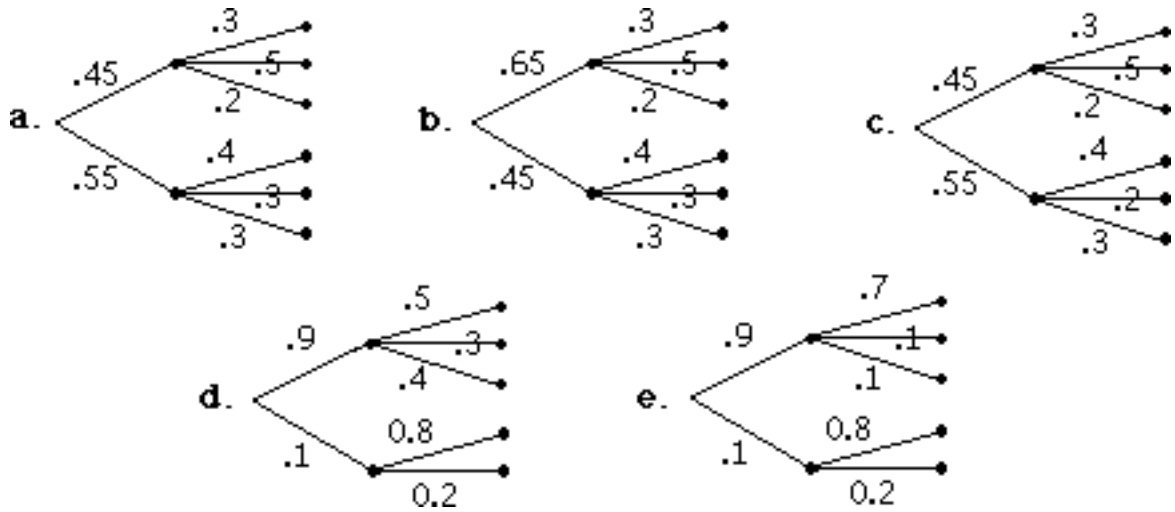
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00000000 000 $\frac{4}{15}$ d. 0.4e. $\frac{6}{37}$

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

□□□ $\frac{100}{6^{100}}$ e. $\frac{500}{6^{100}}$

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000 $\frac{21}{62}$ b. $\frac{2}{3}$ c. $\frac{28}{31}$ d. $\frac{3}{31}$ e. $\frac{116}{62}$

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Error!

k	Pr(X=k)	k	Pr(X=k)
0.25		0.25	
0.27		e. 0.22	
0.26		0.26	
0.22		0.27	

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

Find the probability mass function of $Y^2 - 1$.

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

Find the probability mass function of $Y^2 - 1$.

a.

k	$\Pr(Y^2 - 1 = k)$
1	0.5
4	0.5

b.

k	$\Pr(Y^2 - 1 = k)$
0	0.4
3	0.6

c.

k	$\Pr(Y^2 - 1 = k)$
0	0.5
3	0.5

d.

k	$\Pr(Y^2 - 1 = k)$
3	0.5
-3	0.5

e.

k	$\Pr(Y^2 - 1 = k)$
0	0.25
3	0.75