

1. D
2. A
3. E
 $\frac{160+100+40-50-30}{400}$
4. B
 $\frac{60}{140}$
5. D
6. C for this problem $n = 7$ and the problem should have asked for 3 failures. $\text{binompdf}(7,0.7,4)$
7. B
 $P(B \cup E) = P(B) + P(E) - P(B \cap E)$
8. D
9. A
 $P(B|D) = \frac{P(B \cap D)}{P(D)}$
10. C
use a dice chart
11. D
use a dice chart
12. B
13. C
14. A
 $P(\{b, e\}) = 0.2 + 0.2 = 0.4$
15. B
 $\text{binomcdf}(60,0.3,18)$
16. D
 $\text{binomcdf}(60,0.3,20) - \text{binomcdf}(60,0.3,10)$
17. C
use a tree compute $P(\text{2nd plant} \mid \text{defective})$.
18. B
use a branch of a tree.
19. C
20. A
21. D
use a tree
22. $\frac{C(12,4)C(17,2)+C(14,4)C(15,2)}{C(29,6)}$
23. $\frac{7(4!6!)}{10!}$
24. rolling a 4 wins \$0.

draw a tree.

X	-5	-1	3	15
prob.	$\frac{4}{6}$	$\frac{1}{6} + \frac{1}{18} = \frac{4}{18}$	$\frac{1}{18}$	$\frac{1}{18}$

Check the back of the page for more problems.