

MAT-120 – HW #8– Answers

Please select the correct answer number of each question. There are more answers than questions. Answers may be repeated.

1) 1.00

2) bb, bg, gb, gg

3) -1, 2, $5/3$, $\sqrt{2}$

4) $P(2G's) = 1/3$

5) 0

6) $P(1G) = 3/7$

7) $P(2G's) = 1/4$

8) $P(N) = 52/1038 = 0.0501$

9) yes, it is usual for someone to believe that secondhand smoke is harmful.

10) $1/10$

11) $P(3G'S) = 1/8$

12) $1/5$

13) Yes; this is very different from the general population value of .000340. This suggests that cell phones are the cause of such cancers.

14) $1/2$

15) $P(1 \text{ of each}) = 2/4 = 1/2$

16) No, it is not unusual for someone to believe that secondhand smoke is not at all harmful.

17) 1, 2, $5/3$

18) No; this is not very different from the general population value of .000340. This suggests that cell phones are not the cause of such cancers.

19) $P(1G) = 3/8$

20) $P(2G'S) = 3/8$

