

1] 1. G

2] 101. $\vec{p} = \left(\frac{3\sqrt{13}}{13}, \frac{9\sqrt{13}}{13}, \frac{\sqrt{13}}{13} \right)$

3] 102. $-5 \leq x < 3, 3 < x \leq 4$

4] 2. C 3. D

5] 4. E 5. E

6] 6. D 7. B 8. E 9. D

7] 10. F 11. H 12. A

8] 13. G 14. D 15. I

103. $\frac{4}{7} \left\{ 1 - \left(-\frac{3}{4} \right)^n \right\}$