

MAC 2313 EXAM 1 ANSWERS, FALL 2019

VERSION A

1. b
2. e
3. c
4. a
5. a

6. d
7. d
8. e
9. c
10. b

11. d
12. a
13. c
14. e

VERSION B

1. c
2. d
3. a
4. e
5. c

6. e
7. c
8. b
9. b
10. a

11. e
12. d
13. d
14. a

PART II

1. (a) $5x + y - 3z - 13 = 0$

(b) $\frac{\sqrt{35}}{2}$

2. (a) $\frac{1}{\sqrt{2}}\langle -\sin(t^2), \cos(t^2), 1 \rangle$

(b) $\frac{1}{2}$

1. (a) $-5x - 2y + 4z + 14 = 0$

(b) $\frac{\sqrt{45}}{2}$

2. (a) $\frac{1}{\sqrt{5}}\langle 2, -\sin(t^2), \cos(t^2) \rangle$

(b) $\frac{1}{5}$