

## Practice Exam 2 answers

### Multiple Choice Questions

1. E
2. C
3. C
4. A
5. A
6. D
7. B
8. E
9. D
10. A
11. E
12. A
13. E
14. B
15. A

### Free Response Questions

1.  $a_n = 6$  and  $a_t = \sqrt{5}$ .
2.  $1/8$
3.  $\langle -\cos(2t), 0, -\sin(2t) \rangle$
4.  $29/2 + 3 \ln(3) - e^{-4}/2$
5.  $\cos^{-1}\left(-\frac{12}{10\sqrt{2}}\right)$