Answers to Test 1, 1994

1. 5
2. $(3, 4, 1)$
3. -9
4. $\pi/4$
5. $\langle 3/2, 0, 3/2 \rangle$
6. circles
7. $-y \sin(xy)$
8. $\langle 4/\sqrt{17}, 0, 1/\sqrt{17} \rangle$
9. $\sqrt{51}$
10. $x + y + 4z = 6$
11. (i) (b), lines
    (ii) (a), $(0, 0, 1/3)$
    (iii) (e), $(0, \pm 1, 0)$