



Algebra & Functions (Maths 201-016)

Answers

1. (11, 13)
2. (-1, 2)
3. (a) $\sqrt{50} = 5\sqrt{2}$, (b) $(1, \frac{1}{2})$
4. (a) 0 (b) 12 (c) $\frac{\sqrt{5}}{5} = \frac{1}{\sqrt{5}}$
5. (a) $\sqrt{2}/2$ (b) $2(3 + \sqrt{5})$ (c) $\sqrt{3}$
6. (a) $(x - 1)(y + 2)$ (b) $2x^3(x + 3)(x^2 - 3x + 9)$ (c) $3a(a - 5b)(a + 5b)$
7. (a) $6 \pm \sqrt{35}$ (b) 1, 9
8. (a) $5/2$ (b) $5 \pm \sqrt{55}$ (c) $-1 \pm \sqrt{7}$
9. (a) $2, -\frac{4}{3}$ (b) $-8, \frac{1}{2}$ (c) -6, 3