
Answers to L5 Additional Exercises (in the syllabus)

1. $x = -3/2, 2$
2. $m = 4 \pm \frac{\sqrt{3}}{2}, 4 \pm \frac{\sqrt{2}}{2}$
3. $y = -4, 24$
4. $x = -1, 0, 3$
5. No solution
6. No solution
7. $x = \pm\sqrt[4]{5}$
8. $x = \pm\frac{\sqrt{15}}{3}$
9. No solution
10. $x = -1/4$
11. $x = 3$
12. $x = \sqrt{3}, \sqrt{2}$
13. $x = -2$
14. $x = 1/4, 1$
15. $x = 256$
16. $x = 2$
17. $x^2(x^2 - 1)^2; x = \pm 1, 0$