
Extraövningar TMV156, 110831

Lös följande ekvationer:

1. $z^2 + z + 1 + i = 0$
2. $z^2 - 3 - 4i = 0$
3. $z^2 - (2\sqrt{3} + 3\sqrt{2}i)z + (2\sqrt{2})3\sqrt{3}i = 0$
4. $z + 5 + 7i = -15i/z$
5. $z^2 - 2z + 2i + 1 = 0$
6. $z^2 - (3 + 2i)z + 5 + i = 0$
7. $z^3 = 8i$
8. $z^6 + 64 = 0$
9. $z^5 = -1$
10. $z^6 + (1 + 2i)z^3 = 1 - i$