

## Complexe getallen

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Herschrijf tot in de vorm  $a+ib$ , met  $a \in \mathbb{R}$  en  $b \in \mathbb{R}$

1.  $\frac{2-i}{1+i} =$

2.  $(-1+i)(-1+3i) =$

3.  $\frac{2i}{-1+i} =$

4.  $(-\sqrt{3}+i)(-\sqrt{3}+i) =$

5.  $\frac{-1+i\sqrt{3}}{2-i} =$

6.  $\frac{5}{1-i\sqrt{3}} =$

7.  $(-3+3i)(-2-4i) =$

8.  $\frac{2-2i}{\sqrt{3}+i} =$

9.  $(-3+3i)(1+i) =$

10.  $\frac{2+2\sqrt{3}i}{1-i} =$

11.  $\frac{2}{\sqrt{3}+2i} =$

12.  $(-1+3i)^2 =$

13.  $(1-2i)^3 =$

14.  $\frac{3}{-2+i} =$

15.  $(1+i)^4 =$