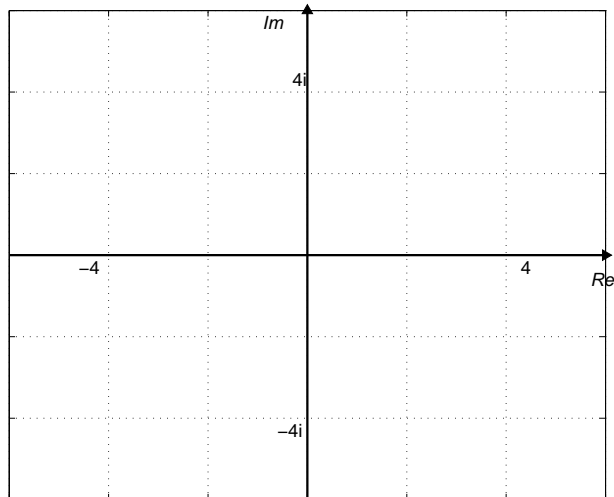


# Complex arithmetic quiz

Throughout this quiz, let  $a = 4 + i$  and  $b = -3 + 3i$ .

1. Plot  $a$  and  $b$  on the axes below.



2. Compute  $2a - b$ .
3. Compute  $ab$ .
4. True or false:  $|a| > |b|$ .
5. True or false:  $i^4 = i^6$ .