

## 1A/B Introducing i

1. Simplify

a)  $(2 + 5i) + (7 + 3i)$

b)  $(2 - 5i) - (5 - 11i)$

c)  $6(1 + 3i)$

2.

a) Write  $\sqrt{-36}$  in terms of  $i$

b) Write  $\sqrt{-28}$  in terms of  $i$

3. Solve the Equation

a)  $x^2 + 9 = 0$

b)  $x^2 + 6x + 25 = 0$