

Imaginary Numbers - Practice

Period _____ Name _____

Simplify using i .

1) $\sqrt{-80} =$

2) $\sqrt{-100} =$

3) $(7 - i) + (5 + 4i) =$

4) $(-3 + 5i) - (2 - 4i) =$

5) $i^{63} =$

6) $i^{117} =$

7) $(2 - 3i)(4 + 5i) =$

8) $(-4 + 3i)(-4 - 3i) =$

9) What is the conjugate of $8 + 9i$?

10) What is the conjugate of $-7 - 4i$?

