

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Rationalizing Imaginary Denominators

Simplify each quotient and write the answer in standard $a + bi$ form.

1. $\frac{-4 + i}{-2 - 7i}$

2. $\frac{-1 + 8i}{9i}$

3. $\frac{8}{-6i}$

4. $\frac{8 + 6i}{4i}$

5. $\frac{-3 - i}{-4 - 3i}$

6. $\frac{5}{-4i}$

7. $\frac{-1}{7i}$

8. $\frac{-7}{i}$

9. $\frac{3 - 3i}{-2 + 6i}$

10. $\frac{4 + 5i}{3i}$
