

Name: _____

Date: _____

Rationalizing Imaginary Denominators**Simplify.**

1) $\frac{10 - 10i}{-5i}$

2) $\frac{5i}{-2 - 6i}$

3) $\frac{4 - 9i}{-6i}$

4) $\frac{-10 - 5i}{-6 + 6i}$

5) $\frac{-5 - 3i}{7 - 10i}$

6) $\frac{8i}{-1 + 3i}$

7) $\frac{8i}{-1 + 3i}$

8) $\frac{-6 - i}{-1 + 6i}$

9) $\frac{-9 - 3i}{-3 + 3i}$

10) $\frac{6}{-4i}$



1) $\frac{10-10i}{-5i}$

$2i + 2$

2) $\frac{5i}{-2-6i}$

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

3) $\frac{4-9i}{-6i}$

$\frac{4+9i}{6}$

4) $\frac{-10-5i}{-6+6i}$

$\frac{5+15i}{12}$

5) $\frac{-5-3i}{7-10i}$

$\frac{-5-71i}{149}$

6) $\frac{8i}{-1+3i}$

$\frac{-4i+12}{5}$

7) $\frac{8i}{-1+3i}$

$\frac{-4i+12}{5}$

8) $\frac{-6-i}{-1+6i}$

$0 + 1i$

9) $\frac{-9-3i}{-3+3i}$

$-3 + 3i$

10) $\frac{6}{-4i}$

$\frac{3i}{2}$