

Name : _____

Score : _____

Teacher : _____

Date : _____

Rationalizing Imaginary Denominators

Simplify.

1) $\frac{-4 - 3i}{5i}$

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

2) $\frac{-9 + 7i}{-7 + 2i}$

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

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

8) $\frac{9 + 4i}{6 - i}$

4) $\frac{-7}{7i}$

9) $\frac{10 + 2i}{3i}$

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

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



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Simplify.

$$1) \frac{-4 - 3i}{5i}$$
$$\frac{-3 + 4i}{5}$$

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

$$2) \frac{-9 + 7i}{-7 + 2i}$$
$$\frac{77 - 31i}{53}$$

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

$$3) \frac{-4 + i}{-6 + 3i}$$
$$\frac{9 + 2i}{15}$$

$$8) \frac{9 + 4i}{6 - i}$$
$$\frac{50 + 33i}{37}$$

$$4) \frac{-7}{7i}$$
$$i$$

$$9) \frac{10 + 2i}{3i}$$
$$\frac{2 - 10i}{3}$$

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

$$10) \frac{-4}{-6i}$$
$$\frac{-2i}{3}$$

