

## Dividing Complex Numbers (ALG.CN.07)

Write each quotient in standard form.

1.  $\frac{6}{i}$

2.  $\frac{3}{2i}$

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

4.  $\frac{1}{i^{11}}$

5.  $\frac{-1}{(2i)^5}$

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

7.  $\frac{1-4i}{5i}$

8.  $\frac{5}{2+i}$

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

10.  $\frac{-3i}{-5-2i}$

11.  $\frac{5-2i}{-6+i}$

12.  $\frac{6-5i}{-3+4i}$

13.  $\frac{2-i}{2+i}$

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

15.  $\frac{11-4i}{i^3}$

16.  $\frac{-3}{5i+i^2}$

17.  $\frac{-6+i}{(1-3i)^2}$

18.  $\frac{3i}{(2+5i)^2}$

19.  $\frac{\sqrt{2}+\sqrt{3}i}{\sqrt{3}-\sqrt{2}i}$

20.  $\frac{\sqrt{3}-5i}{5-i\sqrt{5}}$