Name

Complex Numbers - Division Imaginary Part Only

1 Divide these complex numbers and simplify

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

A $\frac{-3}{2}$ B $\frac{-3-1i}{4}$ C $\frac{-5}{4}$

D $\frac{-3}{4}$ E $\frac{-3+2i}{4}$ F $\frac{-3+1i}{4}$

2 Divide these complex numbers and simplify

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

A -4 B $-2-2i$ C $\frac{-2}{1-1i}$

D -2 E $\frac{-2}{1-2i}$ F $\frac{-2}{2}$

3 Divide these complex numbers and simplify

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

A $\frac{3+1i}{2}$ B $\frac{-3}{2}$ C $\frac{4}{2}$

D $\frac{3}{2}$ E $\frac{3-2i}{2}$ F $\frac{3}{0}$

4 Divide these complex numbers and simplify

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

A $\frac{1}{1-1i}$ B $1-2i$ C 1

D -1 E $\frac{1}{1+2i}$ F 3

5 Divide these complex numbers and simplify

$$\frac{3i}{5i}$$

A $\frac{3}{5}$ B $\frac{3}{-5}$ C $\frac{3}{4}$

D $\frac{4}{5}$ E $\frac{1}{5}$ F $\frac{3-1i}{5}$

6 Divide these complex numbers and simplify

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

A $\frac{-5}{5}$ B $\frac{3}{5}$ C $\frac{-3}{5-1i}$

D $\frac{-3}{5}$ E $\frac{-3}{7}$ F $\frac{-3+2i}{5}$

7 Divide these complex numbers and simplify

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

A $\frac{2}{-3}$ B $\frac{2}{3-1i}$ C $\frac{0}{3}$

D $\frac{2-1i}{3}$ E $\frac{2}{3}$ F $\frac{2}{2}$

8 Divide these complex numbers and simplify

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

A $\frac{-4}{2}$ B $\frac{-5+1i}{2}$ C $\frac{-3}{2}$

D $\frac{-5}{2}$ E $\frac{-5}{2-2i}$ F $\frac{-5}{4}$