

Complex Number Worksheet

Solve the following

Addition

$$\begin{array}{r} (7 + j3) \\ + (2 + j9) \\ \hline \end{array}$$

$$\begin{array}{r} (5 + j9) \\ + (1 + j1) \\ \hline \end{array}$$

$$\begin{array}{r} (4 + j5) \\ + (9 + j6) \\ \hline \end{array}$$

Subtraction

$$\begin{array}{r} (7 + j3) \\ - (2 + j9) \\ \hline \end{array}$$

$$\begin{array}{r} (5 + j9) \\ - (1 + j1) \\ \hline \end{array}$$

$$\begin{array}{r} (4 + j5) \\ - (9 + j6) \\ \hline \end{array}$$

Multiplication

$$\begin{array}{r} (7 + j3) \\ * (2 + j9) \\ \hline \end{array}$$

$$\begin{array}{r} (5 + j9) \\ * (1 + j1) \\ \hline \end{array}$$

$$\begin{array}{r} (4 + j5) \\ * (9 + j6) \\ \hline \end{array}$$

Division

$$\frac{(7 + j3)}{(2 + j9)}$$

$$\frac{(5 + j9)}{(1 + j1)}$$

$$\frac{(4 + j5)}{(9 + j6)}$$