Precalc Name_____

More complex number division practice (A2 3.5)

Simplify.

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

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

3) $\frac{-10 - 6i}{-9 + 6i}$

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

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

6) $\frac{6 + 4i}{-7 + 2i}$

7) $\frac{7 - 8i}{-6 + 5i}$

8) $\frac{10 - 8i}{-8 + 2i}$

9) $\frac{-2 + 8i}{2 - 5i}$

10) $\frac{-3 - 10i}{-2 + 7i}$

11) $\frac{-3 + 10i}{7 + 3i}$

12) $\frac{3 - 8i}{7 + 4i}$

Answers to More complex number division practice (A2 3.5)

1) $-\frac{8}{13}-\frac{38i}{13}$

2) $\frac{5}{61}+\frac{55i}{61}$

3) $\frac{6}{13}+\frac{38i}{39}$

4) $-\frac{5}{18}+\frac{13i}{18}$

5) $\frac{81}{130}+\frac{67i}{130}$

6) $-\frac{34}{53}-\frac{40i}{53}$

7) $-\frac{82}{61}+\frac{13i}{61}$

8) $-\frac{24}{17}+\frac{11i}{17}$

9) $-\frac{44}{29}+\frac{6i}{29}$

10) $-\frac{64}{53}+\frac{41i}{53}$

11) $\frac{9}{58}+\frac{79i}{58}$

12) $-\frac{11}{65}-\frac{68i}{65}$