Homework 6

This needs to be turned in by: August 5th, at the beginning of class. Please write your work and answers on a separate sheet of paper and box your final answers. Don't forget your name.

1. Study Guide, p. 46 # 1 A and B

2. Study Guide, p.46 # 2

3. Study Guide, p. 46 # 3A

4. Study Guide, p. 46 # 4

5. Solve the following:
(a) (1+5i)+(3-2i)
(b) (7-8i)-(14+2i)
(c) (3+2i)(4+12i)
(d) (2i-1)(2i+1)

6. Divide the following:
(a) $\frac{8-3i}{7i-2}$
(b) $\frac{13i-2}{i}$
(c) $\frac{-1}{i}$
(d) $\frac{1+23i}{2+3i}$

7. Study Guide, p. 48 # 5

8. Study Guide, p. 51 # 1

9. Study Guide, p. 52 # 3 A, B, E and F

10. Study Guide, p. 52 # 4

11. Study Guide, p. 55 # 3 A, B, and C

12. Study Guide, p. 55 # 2 A, B, and C

13. Study Guide, p. 58 # 1

14. Study Guide, p. 58 # 2

15. Study Guide, p. 59 # 5

16. Study Guide, p. 59 # 6

17. Study Guide, p. 59 # 7

18. Study Guide, p. 60 # 1 A, B, C, D, and G

19. Study Guide, p. 61 # 3 B and C

20. Study Guide, p. 62 # 4 A and B