Complex Numbers

Evaluate the following square radicals.

1. $\sqrt{-4}$
2. $\sqrt{-25}$
3. $\sqrt{-9}$
4. $\sqrt{-16}$
5. $\sqrt{-36}$
6. $\sqrt{-49}$
7. $\sqrt{-81}$
8. $\sqrt{-100}$
9. $\sqrt{-64}$
10. $\sqrt{-121}$

Simplify the following radicals.

11. $\sqrt{-8}$
12. $\sqrt{-50}$
13. $\sqrt{-75}$
14. $\sqrt{-32}$
15. $\sqrt{-24}$
16. $\sqrt{-72}$
17. $\sqrt{-12}$
18. $\sqrt{-27}$
19. $\sqrt{-54}$
20. $\sqrt{-40}$
21. $\sqrt{-120}$
22. $\sqrt{-45}$
23. $\sqrt{-6}$
24. $\sqrt{-5}$
25. $\sqrt{-2}$
26. $\sqrt{-3}$
27. $\sqrt{-7}$
28. $\sqrt{-10}$

Add or Subtract the following complex numbers (combine like terms).

29. $2i+5i$
30. $2i-5i$
31. $12i-15i$
32. $2i+15i$
33. $1+i-8$
34. $2+3i+8$

35. $12-3i+8$

36. $2-5i+6$

37. $(1-i)+(-3+5i)$

38. $(2+i)+(-3+i)$

39. $(2+i)-(-3+i)$

40. $(3+4i)-(-3+5i)$

41. $(3+4i)+(-3+5i)$

42. $(-3+2i)+(-3+5i)$

43. $(-1+2i)-(-1+5i)$

44. $(-5+2i)-(-6+3i)$

45. $(-3+4i)+(2-4i)$

46. $(-2+5i)+(6-5i)$

47. $(-6-4i)+(8+4i)$

48. $(6-4i)+(6+4i)$

49. $(9-i)+(9+i)$

50. $(12-i)-(12+i)$

51. $(2-i)-(2+i)$

52. $(2-i)+(2+i)$