

4.3-4.6 Review

Key:

1. $\{-9, 2\}$	2. $\{-11, -3\}$	3. $\{-6, 5\}$
4. $\{0, 1/3\}$	5. $\{0, -2/3\}$	6. $\{0, 2/3\}$
7. $\{7/8, -7/8\}$	8. $\{3/5, -3/5\}$	9. $\{9/10, -9/10\}$
10. $\{1/2, -3\}$	11. $\{3/4, -2\}$	12. $\{-2/3, 5\}$

13. $3i\sqrt{5}$	14. $6i\sqrt{2}$	15. $3i\sqrt{11}$
16. $9 - 15i$	17. $1 + 5i$	18. $4 + 14i$
19. $24 - 10i$	20. $11 + 2i$	21. $23 - 24i$
22. $\frac{14+16i}{57}$	23. $\frac{-6+8i}{13}$	24. $\frac{4+7i}{3}$

25. $\{1/2, -2/3\}$	26. $\{7 \pm 2i\}$	27. $\left\{\frac{1 \pm \sqrt{7}}{6}\right\}$
28. -76 ; 2 complex	29. 97 ; 2 real. Irrational	30. 0 ; 1 real, rational
31. $\{\pm 2i\}$	32. $\{\pm i\sqrt{3}\}$	33. $\{\pm 2i\sqrt{3}\}$
34. $\{5, 3\}$	35. $\{3 \pm \sqrt{7}\}$	36. $\{-8 \pm \sqrt{15}\}$

37. $\{-2 \pm 2i\sqrt{2}\}$	38. $\{-3 \pm \sqrt{15}\}$	39. $\{4 \pm \sqrt{29}\}$
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40. 7 ft by 9 ft

41. 24 and 26

42. 4.5 seconds

43. 3.72 seconds