

SECTION 8.1

1. 0 and 4 3. 5 and -5 5. 3 and -2 7. 3 9. 0 and 2 11. 5 and -2 13. 2 and 5 15. 6 and $-\frac{3}{2}$
17. 2 and $\frac{1}{4}$ 19. $\frac{1}{3}$ and -4 21. $\frac{9}{2}$ and $-\frac{2}{3}$ 23. $\frac{1}{4}$ and -4 25. 9 and -2 27. -2 and $-\frac{3}{4}$ 29. 2 and -5
31. -4 and $-\frac{3}{2}$ 33. $2b$ and $7b$ 35. $7c$ and $-c$ 37. $-\frac{b}{2}$ and $-b$ 39. $4a$ and $\frac{2a}{3}$ 41. $-\frac{a}{3}$ and $3a$
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43. $-\frac{3y}{2}$ and $-\frac{y}{2}$ 45. $-\frac{a}{2}$ and $-\frac{4a}{3}$ 47. $x^2 - 7x + 10 = 0$ 49. $x^2 + 6x + 8 = 0$ 51. $x^2 - 5x - 6 = 0$
53. $x^2 - 9 = 0$ 55. $x^2 - 8x + 16 = 0$ 57. $x^2 - 5x = 0$ 59. $x^2 - 3x = 0$ 61. $2x^2 - 7x + 3 = 0$
63. $4x^2 - 5x - 6 = 0$ 65. $3x^2 + 11x + 10 = 0$ 67. $9x^2 - 4 = 0$ 69. $6x^2 - 5x + 1 = 0$ 71. $10x^2 - 7x - 6 = 0$
73. $8x^2 + 6x + 1 = 0$ 75. $50x^2 - 25x - 3 = 0$ 77. 7 and -7 79. $2i$ and $-2i$ 81. 2 and -2 83. $\frac{9}{2}$ and $-\frac{9}{2}$
85. $7i$ and $-7i$ 87. $4\sqrt{3}$ and $-4\sqrt{3}$ 89. $5\sqrt{3}$ and $-5\sqrt{3}$ 91. $3i\sqrt{2}$ and $-3i\sqrt{2}$ 93. 7 and -5
95. 0 and -6 97. -7 and 3 99. 1 and 0 101. $-5 + \sqrt{6}$ and $-5 - \sqrt{6}$ 103. $3 + 3i\sqrt{5}$ and $3 - 3i\sqrt{5}$
105. $-\frac{2 - 9\sqrt{2}}{3}$ and $-\frac{2 + 9\sqrt{2}}{3}$ 107. $x^2 - 2 = 0$ 109. $x^2 + 1 = 0$ 111. $x^2 - 8 = 0$ 113. $x^2 + 2 = 0$
115. $\frac{3b}{a}$ and $-\frac{3b}{a}$ 117. $-a + 2$ and $-a - 2$ 119. $-\frac{1}{2}$