

Algebra IIb

Solutions

9-1 Day 3

19) y -int: (0, -4)
 x -ints: $\{\pm 2\}$

27) y -int: (0, -1)
 x -ints: $\{-1 \pm \sqrt{2}\}$

21) y -int: (0, 0)
 x -ints: $\{0, 2\}$

31) y -int: (0, -2)
 x -ints: $\{1 \pm \sqrt{3}\}$

23) y -int: (0, -2)
 x -ints: $\{2, -1\}$

35. 3 37. $\frac{3 + \sqrt{41}}{2}$ and $\frac{3 - \sqrt{41}}{2}$

39. 0 and $\frac{4}{3}$ 41. $i\sqrt{2}$ and $-i\sqrt{2}$

25) y -int: (0, -1)
 x -ints: $\{-\frac{1}{2}, 1\}$

43. $\frac{1}{6} + \frac{\sqrt{47}}{6}i$ and $\frac{1}{6} - \frac{\sqrt{47}}{6}i$ 45. $\frac{1 + \sqrt{41}}{4}$ and $\frac{1 - \sqrt{41}}{4}$