

Algebra IIB Solutions 9-1 Day 4

61) vertex: $(1, 2)$
 axis of symmetry: $x = 1$
 y-intercept: $(0, 3)$
 x-intercepts: None or $\{1 \pm i\sqrt{2}\}$
 Graph width (circle one): Wide Narrow Normal
 Function opens (circle one): Up Down Left Right
 Function has a (circle one): Max Min Neither
 Value of min or max: 2

63) vertex: $(1, -1)$
 axis of symmetry: $x = 1$
 y-intercept: $(0, -3)$
 x-intercepts: $\{\frac{2 \pm i\sqrt{2}}{2}\}$ or None
 Graph width (circle one): Wide Narrow Normal
 Function opens (circle one): Up Down Left Right
 Function has a (circle one): Max Min Neither
 Value of min or max: -1

65) vertex: $(1, -2)$
 axis of symmetry: $x = 1$
 y-intercept: $(0, 0)$
 x-intercepts: $\{0, -2\}$
 Graph width (circle one): Wide Narrow Normal
 Function opens (circle one): Up Down Left Right
 Function has a (circle one): Max Min Neither
 Value of min or max: -2

67) vertex: $(1, -5)$
 axis of symmetry: $x = 1$
 y-intercept: $(0, -5)$
 x-intercepts: $\{\frac{2 \pm i\sqrt{6}}{2}\}$ or $\{\frac{-2 \pm i\sqrt{6}}{2}\}$ or None
 Graph width (circle one): Wide Narrow Normal
 Function opens (circle one): Up Down Left Right
 Function has a (circle one): Max Min Neither
 Value of min or max: -3

75) vertex: $(-\frac{5}{8}, -\frac{1}{12})$
 axis of symmetry: $x = -\frac{5}{8}$
 y-intercept: $(0, 2)$
 x-intercepts: $\{-1, -\frac{2}{3}\}$
 Graph width (circle one): Wide Narrow Normal
 Function opens (circle one): Up Down Left Right
 Function has a (circle one): Max Min Neither
 Value of min or max: $-\frac{1}{12}$