

**32.**  $x = -2 \pm 4i$

**34.**  $x = 5 \pm \sqrt{11}$

**36.**  $x = \frac{-3 \pm \sqrt{37}}{2}$

**38.**  $x = \frac{-3 \pm \sqrt{3}}{3}$  or  $x = -1 \pm \frac{\sqrt{3}}{3}$

**40.**  $x = \frac{-2 \pm \sqrt{10}}{6}$  or  $x = -\frac{1}{3} \pm \frac{\sqrt{10}}{6}$

**42.**  $k = \frac{-2 \pm i}{6}$  or  $k = -\frac{1}{3} \pm \frac{i}{6}$

**44.**  $d = \frac{5 \pm \sqrt{22}}{3}$

**46.**  $x = \pm\sqrt{2}$

**48.**  $x = -2 \pm 5i$

**50.**  $x = -\frac{7}{2}$

**52.**  $u = 1 \pm \sqrt{2}$

**54.**  $v = \frac{6 \pm \sqrt{5}}{3}$  or  $v = 2 \pm \frac{\sqrt{5}}{3}$

**56.**  $-24$  ; 2 imaginary solutions**58.** 0 ; 1 real solution**60.** 0 ; 1 real solution**62.** 84 ; 2 real solutions**64.** 0 ; 1 real solution