

**Chapter 4 Test 2 Review 1****Solve**

1.  $0 = x^2 + 28x + 75$
2.  $x^2 - 10x + 25 = 24.$
3.  $2x^2 + 2 = x$
4.  $x^2 - 12x + 36 = 12.$
5.  $-x^2 = +21x - 100$
6.  $x^2 + 8x + 116 = 0.$
7.  $0 = 3x^2 - x + 4$
8.  $x^2 = 3 - 2x$
9.  $2x^2 - x + 2 = 0$
10.  $x^2 - 2x + 82 = 0.$

## Chapter 4 Test 2 Review 1 Answer Section

### SHORT ANSWER

1.  $x = -25$  or  $x = -3$
2.  $x = 5 \pm 2\sqrt{6}$
3.  $x = \frac{1}{4} \pm \frac{\sqrt{15}}{4}i$
4.  $x = 6 \pm 2\sqrt{3}$
5.  $x = -25$  or  $x = 4$
6.  $x = -4 + 10i$  or  $-4 - 10i$
7.  $x = \frac{1}{6} \pm \frac{\sqrt{47}}{6}i$
8.  $x = 1$  or  $x = -3$
9.  $x = \frac{1}{4} \pm \frac{\sqrt{15}}{4}i$
10.  $x = 1 + 9i$  or  $1 - 9i$