

Chapter 4 Test 2 Review3**Solve**

1. $0 = x^2 - x - 30$

2. $x^2 - 8x + 16 = 18.$

3. $2x^2 + 2 = x$

4. $x^2 - 12x + 36 = 54.$

5. $-x^2 = -7x + 10$

6. $x^2 - 4x + 53 = 0.$

7. $0 = 2x^2 - x + 5$

8. $x^2 = 45 - 12x$

9. $3x^2 - x + 2 = 0$

10. $x^2 - 10x + 61 = 0.$

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Answer Section**SHORT ANSWER**

1. $x = -5$ or $x = 6$
2. $x = 4 \pm 3\sqrt{2}$
3. $x = \frac{1}{4} \pm \frac{\sqrt{15}}{4}i$
4. $x = 6 \pm 3\sqrt{6}$
5. $x = 5$ or $x = 2$
6. $x = 2 + 7i$ or $2 - 7i$
7. $x = \frac{1}{4} \pm \frac{\sqrt{39}}{4}i$
8. $x = 3$ or $x = -15$
9. $x = \frac{1}{6} \pm \frac{\sqrt{23}}{6}i$
10. $x = 5 + 6i$ or $5 - 6i$