

Student: \_\_\_\_\_  
Date: \_\_\_\_\_

Instructor: Deb Wertz  
Course: MAP102 MASTER

Assignment: Homework #26

1. Use the square root property to solve the equation. The equation has real number solutions.

$$x^2 - 14 = 0$$

x = \_\_\_\_\_

(Simplify your answer, including any radicals. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

2. Use the square root property to solve the equation. The equation has real number solutions.

$$x^2 = 20$$

x = \_\_\_\_\_

(Simplify your answer, including any radicals. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

3. Use the square root property to solve the equation. The equation has real number solutions.

$$2z^2 - 28 = 0$$

z = \_\_\_\_\_

(Simplify your answer, including any radicals. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

4. Use the square root property to solve the equation. The equation has real number solutions.

$$(x + 2)^2 = 9$$

x = \_\_\_\_\_

(Simplify your answer, including any radicals. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

5. Use the square root property to solve the equation.

$$x^2 - 11 = 0$$

x = \_\_\_\_\_

(Simplify your answer, including any radicals and  $i$  as needed. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

6. Use the square root property to solve the equation.

$$2x^2 + 90 = 0$$

x = \_\_\_\_\_

(Simplify your answer, including any radicals and  $i$  as needed. Use integers or fractions for any numbers in the expression. Use a comma to separate answers as needed.)

1.  $\sqrt{14}, -\sqrt{14}$

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2.  $2\sqrt{5}, -2\sqrt{5}$

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3.  $\sqrt{14}, -\sqrt{14}$

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4.  $1, -5$

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5.  $\sqrt{11}, -\sqrt{11}$

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6.  $3i\sqrt{5}, -3i\sqrt{5}$

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