

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

Instructor: Deb Wertz  
Course: MAP102 MASTER

Assignment: Homework #15

1. Solve the equation and check.

$$-7x = -42$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.

2. Solve the equation and check.

$$-18 = x + 8$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.

3. Solve the equation and check.

$$7x - 4 = 6 + 5x$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.

4. Solve the equation and check.

$$6y + 16 = 3y - 5$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.

5. Solve the equation and check.

$$8x - 5x + 3 = x - 7 + 10$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.
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6. Solve the equation and check.

$$17x + 10 = 4(4x + 3)$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.
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7. Solve the equation and check.

$$-3(6y - 9) - y = -3(y - 2)$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Type an integer or a simplified fraction.)
- B. The solution is all real numbers.
- C. There is no solution.
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8. Solve the following equation and check.

$$\frac{x}{4} + \frac{x}{7} = \frac{7}{8}$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Type an integer or a simplified fraction.)
- B. The solution is all real numbers.
- C. There is no solution.
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9. Solve the equation and check.

$$\frac{2x-5}{12} + x = \frac{2x+5}{2} + 2$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Type an integer or a simplified fraction.)
- B. The solution is all real numbers.
- C. There is no solution.
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10. Solve the equation.

$$\frac{1}{15}(a+2) = \frac{1}{6}(2-a)$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Type an integer or a simplified fraction.)
- B. The solution is all real numbers.
- C. There is no solution.
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11. Solve the equation.

$$6(n+4) = 2(12+3n)$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.
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12. Solve the equation.

$$9(x+8) + 2 = 9x + 7$$

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Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- A. The solution is \_\_\_\_\_.  
(Simplify your answer.)
- B. The solution is all real numbers.
- C. There is no solution.

1. A. The solution is 6. (Simplify your answer.)

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2. A. The solution is -26. (Simplify your answer.)

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3. A. The solution is 5. (Simplify your answer.)

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4. A. The solution is -7. (Simplify your answer.)

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5. A. The solution is 0. (Simplify your answer.)

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6. A. The solution is 2. (Simplify your answer.)

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7. A. The solution is  $\frac{21}{16}$ . (Type an integer or a simplified fraction.)

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8. A. The solution is  $\frac{49}{22}$ . (Type an integer or a simplified fraction.)

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9. A. The solution is  $\frac{59}{2}$ . (Type an integer or a simplified fraction.)

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10. A. The solution is  $\frac{6}{7}$ . (Type an integer or a simplified fraction.)

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11. B. The solution is all real numbers.

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12. C. There is no solution.

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