



- How can you tell whether the equation is an identity or inconsistent

7)  $7 - 5(x - 6) + 4 = 3 - 2(x - 5) - 3x + 28$

Solution:

Circle one:

Identity Inconsistent Neither

8)  $-4 + 3(x - 1) = x + 2(x - 2) - 1$

Solution:

Circle one:

Identity Inconsistent Neither

9)  $-5(4x - 2) = -2(3 + 6x)$

Solution:

Circle one:

Identity Inconsistent Neither

- How do you solve a system of equations with 3 variables
- 10)  $-6x + 5y + 2z = -11$   
 $-2x + y + 4z = -9$   
 $4x - 5y + 5z = -4$

**This study guide needs to be NEAT and ORGANIZED!!! (or you may lose credit)**

**ANSWERS:** 1) 4 2) 1 3) 1 4) -2 5)

- 7) All real #'s – identity
- 8) no solution – inconsistent
- 9)  $x = 2$  - neither
- 10)  $(4, 3, -1)$

