

Class Name : **8C - C**Instructor Name : **Ms. Ryan**

Student Name : \_\_\_\_\_

Instructor Note : \_\_\_\_\_

1. Solve for  $v$ .

$$32 = 5v - 13$$

Simplify your answer as much as possible.

2. Solve for  $u$ .

$$2(2u + 7) = 42$$

Simplify your answer as much as possible.

3. Solve for  $u$ .

$$10 = -2 + 4u$$

Simplify your answer as much as possible.

4. Solve for  $x$ .

$$-63 = 2x + 9x - 19$$

Simplify your answer as much as possible.

5. Solve for  $u$ .

$$u = 35 - 6u$$

Simplify your answer as much as possible.

6. Solve for  $x$ .

$$-7x + 11x + 5 = 2x + 31$$

Simplify your answer as much as possible.

7. Solve for  $x$ .

$$18 = 5x + 3(x - 2)$$

Simplify your answer as much as possible.

8. Solve for  $y$ .

$$-2(y - 5) = 2y + 14$$

Simplify your answer as much as possible.

9. Solve for  $u$ .

$$4 + 2(3u - 2) = -2(9u - 8) + 6u$$

Simplify your answer as much as possible.

10. Solve for  $v$ .

$$-4(-7v + 8) - 8v = 5(v - 8) - 2$$

Simplify your answer as much as possible.

11. Use  $<$ ,  $>$ , or  $=$  to compare the following numbers.

$$-12 \square -3$$

$$-5 \square -7$$

$$-11 \square 7$$

12. Order these numbers from least to greatest.

$$-15.\overline{6}, \frac{154}{10}, -\sqrt{245}, -15\frac{35}{51}$$