

ALEKS® Linear Equations Quiz 1 #1

Beginning Algebra / Math 100 – Master No Book (Prof. Miller)

Student Name/ID:

Instructor Note:

Directions: Every problem is worth two points. One point is for trying the problem and showing your work and one point is for getting the correct answer. There are an additional five points for demonstrating the study strategy that is posted on the board and talked about at the beginning of class.

1. Solve for y

$$y - \frac{4}{5} = 4\frac{3}{4}$$

2. Use the distributive property to remove the parentheses.

$$-5(-y - 4w + 3)$$

3. Last year, Rita biked 341 miles. This year, she biked d miles. Using d write an expression for the total number of miles she biked.

4. Evaluate the expression when $c = 5$ and $y = -6$

$$-c + 9y$$

5. Solve for u

$$5 = u - 3$$

6. Simplify.

$$3x - 6x$$

7. Simplify.

$$-6x - 2(-4y + 2x) - 5y$$

8. Solve for u

$$78 - u = 168$$

9. Simplify.

$$-6w - 3(-4x + 6w) + 4x$$

10. Solve for v

$$v - 9.45 = 5.1$$

11. Solve for u

$$u + 6 = -9$$

12. Use the distributive property to remove the parentheses.

$$-8(-2x + 4u - 5)$$

13. Use the distributive property to remove the parentheses.

$$6(w + 5)$$

14. Solve for u

$$u - 5.27 = 6.88$$

15. Simplify the following expression.

$$9x^2 - 4 - 10x^2 + 10 + 3x$$

Linear Equations Quiz 1 #1 Answers for class Beginning Algebra / Math 100 – Master No Book

1. $y = 5\frac{11}{20}$
2. $5y + 20w - 15$
3. $341 + d$
4. -59
5. $u = 8$
6. $-3x$
7. $-10x + 3y$
8. $u = -90$
9. $-24w + 16x$
10. $v = 14.55$
11. $u = -15$
12. $16x - 32u + 40$
13. $6w + 30$
14. $u = 12.15$
15. $-x^2 + 3x + 6$