

ALEKS® Linear Equations Quiz 1 #1

Beginning and Intermediate Algebra Combined / MATH 101 - Fall 2014 – 504 (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 x

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

Simplify your answer as much as possible.

2. Solve for u

$$-\frac{3}{2} = -\frac{2}{7}u - \frac{9}{5}$$

Simplify your answer as much as possible.

3. Solve for y .

$$9 = \frac{9y+5}{8} + \frac{y-6}{2}$$

Simplify your answer as much as possible.

4. Solve for u

$$u + 6 = -9$$

5. Solve for x

$$\frac{7}{3}x = 42$$

Simplify your answer as much as possible.

6. Solve for u

$$96 = 4u$$

Simplify your answer as much as possible.

7. Solve for w

$$-21 = -\frac{3}{7}w$$

Simplify your answer as much as possible.

8. Solve for y .

$$3y - 8 = -20$$

Simplify your answer as much as possible.

9. Solve the following proportion for v

$$\frac{v}{7} = \frac{8}{3}$$

Round your answer to the nearest tenth.

10. Solve for u

$$-5u - 18 = -2(u - 6)$$

Simplify your answer as much as possible.

11. Solve for x

$$72 = 3x + 12$$

Simplify your answer as much as possible.

12. Solve for u

$$5 = u - 3$$

13. Solve for v

$$7 = 3 + v$$

14. Solve for y .

$$5(y + 5) - 8y = 31$$

Simplify your answer as much as possible.

15. Solve for v .

$$-4v = -20$$

Simplify your answer as much as possible.

Linear Equations Quiz 1 #1 Answers for class Beginning and Intermediate Algebra Combined / MATH 101 - Fall 2014 – 504

1. $x = -\frac{5}{9}$

2. $u = -\frac{21}{20}$

3. $y = 7$

4. $u = -15$

5. $x = 18$

6. $u = 24$

7. $w = 49$

8. $y = -4$

9. $v = 18.7$

10. $u = -10$

11. $x = 20$

12. $u = 8$

13. $v = 4$

14. $y = -2$

15. $v = 5$