ALEKS® Equations Game 1 #1

Beginning Algebra / Math 100 Fall 2013 – 506 (Prof. Miller)

Student Name/ID:

Instructor Note:
This assignment is to be used to make-up the equations relay if you were absent in math 193 that day. You may also use it to study.

1. Solve for u.

$$5 = u - 3$$

2. Solve for y.

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

3. Solve for v.

$$v - 9.45 = 5.1$$

4. Solve for u.

$$u + 6 = -9$$

5. Solve for u .

$$78 - u = 168$$

6. Solve for u .

$$96 = 4u$$

Simplify your answer as much as possible.

7. Solve for u .

$$-5 = -18u$$

Simplify your answer as much as possible.

8. Solve for w .

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

Simplify your answer as much as possible.

9. Solve for x .

$$72 = 3x + 12$$

Simplify your answer as much as possible.

10. Solve for y.

$$3y-8=-20$$

Simplify your answer as much as possible.

11. Solve for y.

$$5\left(y+5\right)-8y=31$$

Simplify your answer as much as possible.

12. Solve for u.

$$-5u-18=-2\left(u-6\right)$$

Simplify your answer as much as possible.

13. Solve for x.

$$-2\left(8x-5\right)+2x=4\left(x+5\right)$$

Simplify your answer as much as possible.

14. For each equation, choose the statement that describes its solution.
If applicable, give the solution.

$3(w-2)-5w=-2(w+3)$

- No solution
- $w=$
- All real numbers are solutions

$5(2-v)-v=2(v+1)$

- No solution
- $v=$
- All real numbers are solutions

15. Solve for u.

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

Simplify your answer as much as possible.

16. Solve for v.

$$-4v+\frac{7}{4}=-\frac{3}{4}v-\frac{2}{3}$$

Simplify your answer as much as possible.

17. Solve for y.

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

Simplify your answer as much as possible.

Equations Game 1 #1 Answers for class Beginning Algebra / Math 100 Fall 2013 – 506

1. $u = 8$
2. $y = 5\frac{11}{20}$
3. $v = 14.55$
4. $u = -15$
5. $u = -90$
6. $u = 24$
7. $u = \frac{5}{18}$
8. $w = 49$
9. $x = 20$
10. $y = -4$
11. $y = -2$
12. $u = -10$
13. $x = -\frac{5}{9}$
14.

$3(w-2)-5w = -2(w+3)$

- ○ No solution
- ○ w =
- ◉ All real numbers are solutions

$5(2-v)-v = 2(v+1)$

- ○ No solution
- ◉ v = 1
- ○ All real numbers are solutions

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

16. $v = \frac{29}{39}$

17. $y = 7$