

ALEKS® Order of Operations Quiz #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. Evaluate the following expression.

$$42 \div [1 + (11 - 9) \times 3]$$

2. Evaluate the following.

$$3 + 25 \div 5 + 3 \times 7$$

3. Evaluate the following expression.

$$[1 + (20 + 22) \div 6] \times 3$$

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

$$-c + 9y$$

5. Evaluate the expression when $c = -6$

$$c^2 + 7c + 4$$

6. Evaluate the following expression.

$$[9 + 3 \times (19 - 14)] \div 6$$

7. Evaluate the following.

$$2 \times 8 - 15 \div 3 + 5$$

8. Evaluate the following.

$$|15| - |10 - 9|$$

9. Evaluate.

$$(1 - 2^3)^2 + 5 \cdot 4$$

10. Evaluate the expression when $b = -7$ and $c = 4$

$$b - 5c$$

11. Evaluate the expression when $y = -2$

$$y^2 + 5y + 7$$

12. Evaluate.

$$\frac{5}{6} + \frac{1}{3} \div \frac{6}{7}$$

Write your answer in simplest form.

13. Evaluate the following.

$$|6 - 8| - |14|$$

14. Evaluate.

$$\frac{3}{4} - \frac{1}{6} \div \frac{2}{5}$$

Write your answer in simplest form.

15. Evaluate $-12 - (-18) \div 6$

Order of Operations Quiz #1 Answers for class Beginning Algebra / Math 100 – Master No Book

1. $42 \div [1 + (11 - 9) \times 3] = 6$

2. 29

3. $[1 + (20 + 22) \div 6] \times 3 = 24$

4. -59

5. -2

6. $[9 + 3 \times (19 - 14)] \div 6 = 4$

7. 16

8. 14

9. 69

10. -27

11. 1

12. $\frac{11}{9}$

13. -12

14. $\frac{1}{3}$

15. -9