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Name:_____ Period:_____ Date:_____

Using Order of Operations to Solve Answers

Section I. Solve and compare.

1a. $4 \cdot 7 - 2$ 26

1b. $4 \cdot (7 - 2)$ 20

2a. $8 + 6 \div 3$ 10

2b. $(8 + 6) \div 3$ $\frac{14}{3}$ *or* $4\frac{2}{3}$

3a. $3 - 18 \div 3$ -3

3b. $(3 - 18) \div 3$ -5

4a. $11 - 7 \cdot 2$ -3

4b. $(11 - 7) \cdot 2$ 8

5a. $23 - 5 \cdot 2^2$ 3

5b. $(23 - 5) \cdot 2^2$ 72

6a. $6^2 + 8(-3)$ 12

6b. $(6^2 + 8)(-3)$ -132

7a. $2 \cdot (7 - 12)$ -10

7b. $2 \cdot |7 - 12|$ 10

8a. $-3\,(5 - 9)$ 12

8b. $-3\,|5 - 9|$ -12

9a. $\frac{1}{2}(8 - 14)$ -3

9b. $\frac{1}{2}|8 - 14|$ 3

10a. $(-3)^2$ 9

10b. -3^2 -9

Section II. Solve.

11. $8 \cdot \frac{15}{5} - (5 + 9)$ 10

12. $39 - (8 - 5)^4 + \frac{100}{5}$ -22

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13. $(6-4)\cdot(3+5)$ 16

14. $13+8^2\div -2\left(8-\frac{12}{6}\right)$ $\frac{55}{3}$ *or* $18\frac{1}{3}$

15. $25+3|9-15|-3^3$ 16

16. $\frac{42}{7}(19-16)^2$ 54

17. $7\cdot\left(\frac{30}{6}+3\right)-9\left(\frac{27}{9}\right)$ 27

18. $11^2+10\left|8+\frac{-30}{15}\right|$ 181

19. $\left|-6-\frac{32}{4}\right|(10)-4\cdot 3^3$ 32

20. $70-9|15-21|+(12^2-40)$ 120

21. $\frac{36}{9}(11-7)^3$ 256

22. $-85-4(13-8)^3$ -585

23. $12-4\left|\frac{6}{2}-5(3)\right|$ -36

24. $|4^2-27\div 3-6^2|$ -29

25. $15^2-12\left|-4+\frac{39}{-13}\right|$ 141

26. $|3^4+60\div 5(-8)|$ 15