

Name _____

Date _____ Pd. _____

Notes: Order of Operations and Open Sentences*Order of Operations*

Rules describing what sequence to use in evaluating expressions:

First: Evaluate within _____ symbols

Second: Do _____ or _____

Third: _____ or _____ from left to right

Fourth: _____ or _____ from left to right

Open Sentences

Greater than >

An operational symbol that indicates the _____ of the
relation is greater than the _____.

Less than <

An operational symbol that indicates the _____ of the
relation is less than the _____.

Name _____

Date _____ Pd. _____

Exit Card: Order of Operations and Open Sentences

1. In one day, a store sold 300 shirts at 25% off the regular price of x dollars. Which of these expressions represents the total amount, in dollars, that was received for the sale of shirts on that day?

A $0.25(x - 300)$

B $25(x - 300)$

C $300(x - 25)$

D $300(x - 0.25x)$

2. The sign shown below is posted at a parking garage.

<i>PARKING COSTS</i>	
up to 1 hour	\$3.00
Each Additional Hour	\$1.50

What is the cost, in dollars, for parking 7 hours?

Name _____

Date _____ Pd. _____

Homework: Pages 58 – 59 (24 – 31, 39 – 41, 46)

<i>Order of Operations</i>	Rules describing what sequence to use in evaluating expressions: (1) Evaluate within grouping symbols (2) Do powers or roots (3) Multiply or divide from left to right (4) Add or subtract from left to right
----------------------------	--

24. $8(2 + 5) - 6 =$	25. $4(11 + 7) - 9 \cdot 8 =$
26. $288 \div [3(9 + 3)] =$	27. $16 \div 2 \cdot 5 \cdot 3 \div 6 =$
28. $6(4^3 + 2^2) =$	29. $(3 \cdot 1)^3 - \frac{(4 + 6)}{(5 \cdot 2)} =$
30. $t^2 + 3y =$	31. $xy^3 =$
39. $x = \frac{21 - 3}{12 - 3}$	40. $a = \frac{14 + 28}{4 + 3}$
41. $n = \frac{96 \div 6}{8 \div 2}$	46. $10 - x < 7$