Warm-Up October 10, 2018

A. $3^3 \div 9(3^0 - 2^2)$

$27 \div 9(1-4)$

$3(-3)$

-9

B.

$(12^2 + 5^3)^0 - 2[(-3)^3]$

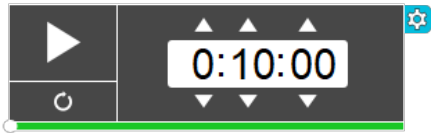
$(144+125)^0 - 2(-27)$

$1 - -54$

55

Warm-Up Quiz

10 Minutes



Grade 9 Math

Total 30 marks

In Class Assignment (2.1 to 2.3)

Name: _____

1. Write the power that has a base 4 and exponent 7. 1. 4^7
2. Write the power with base -2 and exponent 5. 2. $(-2)^5$
3. Write 4^3 as repeated multiplication. 3. $4 \times 4 \times 4$
4. Write -7^4 as a repeated multiplication. 4. $-(7 \times 7 \times 7 \times 7)$ ← # of zeros = the exponent
5. Write 1 000 000 as a power of 10. 5. 10^6
6. Write 10^5 in standard form. [calculate value] 6. 100 000
7. Evaluate the following

a) $3^4 =$ 81
b) $7^2 =$ 49
c) $(-4)^2 =$ 16
d) $-4^2 =$ -16
e) $6^0 =$ 1
f) $-6^0 =$ -1
g) $(-6)^0 =$ 1
h) $-(-6)^0 =$ -1
i) $-10^4 =$ -10 000
j) $-(-3)^3 =$ 27
k) $(-8)^1 =$ -8
l) $-73456^0 =$ -1

$-6^0 = 1$ $-(-6^0) = 1$ $-(-6)^0 = -1$

8. Evaluate the following. **SHOW ALL STEPS!!!** [12 marks]

a) $4^2 - 5$
$16 - 5$
11

b) $(8 + 3)^2$
$(11)^2$
121

c) $12 + (-3)^3$
$12 + -27$
-15

d) $[(-2) + 7)]^2 \div 5$
$(5)^2 \div 5$
$25 \div 5$
5

e) $8[1 - (-2)^2] + 20$
$8(1 - 4) + 20$
$8(-3) + 20$
$-24 + 20$
-4

Write in standard form

$3 \times 10^4 + 6 \times 10^2 + 5 \times 10^7 + 3 \times 10^0$

$5 \times 10^7 + 3 \times 10^4 + 6 \times 10^2 + 3 \times 10^0$

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1. Page 67...#18, #19

2.Page 69...Midunit Review...

Page 474 Answers

#1, #2, #4, #5, #6, #8, #9

Extra

3.Order of Operations Worksheet

Open Book Assignment Tomorrow!!!