Warm-Up October 13, 2016

1. -2^6

   A. What is the base? 2

   B. Write as a repeated multiplication $-(2\times2\times2\times2\times2\times2)$

   C. Evaluate -64

2. **Evaluate.**

   a) $(18 \div 3^2 + 1)^4 - 4^2$

$(18 \div 9+1)^4 - 16$

$(2+1)^4 - 16$

$(3)^4 - 16$

$81 - 16$

65

84

65

BEDMAS

$$-(3^3 + 4^2)^0 - 4(-2)^3$$

$-(27+16)^0 - 4(-8)$

$-(43)^0 - -32$

$-1 - -32$

31

98

31

$[(-4)^0 \times 10]^6 \div (15-10)^2$

$[1 \times 10]^6 \div (5)^2$

$(10)^6 \div 25$

$1\,000\,000 \div 25$

$40\,000$

$$(8-5)^3+2^5\div(-4^2)$$

-4^2 (A)

$(3)^3 + 32 \div -16$ $(-4)^2$ (B)

$27+32\div-16$ (-4^2) (C)

$27+-2$

25

BEDMAS

$(5^3 - 4^2)^0 - (6^2 - 8^0)$

$1 - (36 - 1)$

$1 - 35$

-34

$$\frac{3^2\,(\,2^3 + 3^0)^3 + 3^2}{4^2 - 5^2}$$

-8

BEDMAS

$$\frac{9(8+1)^3+9}{16-25}$$

$$\frac{9(9)^3+9}{-9}$$

$$\frac{9(729)+9}{-9}$$

$$\frac{6561+9}{-9}$$

-730

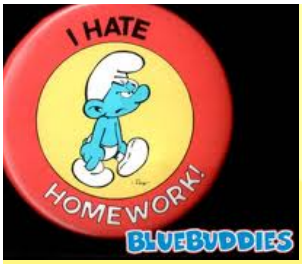
$$\frac{2^4 + (16 - 3 \times 4)}{(6+3^2) \div (7-4)}$$

BEDMAS

$$\frac{16 + (16 - 12)}{(6+9) \div (3)}$$

$$\frac{16 + 4}{15 \div 3}$$

$$\frac{20}{5} = 4$$



Classwork/Homework

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8. a) 3
b) 54
c) 37
d) -8
e) 4
f) -54

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