Warm-Up October 12, 2017

1. -2^6

   $(-2)^6$

   -2^6

   A. What is the base? 2

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

   C. Evaluate -64

2. **Evaluate.**

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

   BEDMAS

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

   $(2+1)^4 - 16$

   $(3)^4 - 16$

   $81 - 16$

   65

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

$(3)^3 + 32 \div -16$

$27 + 32 \div -16$

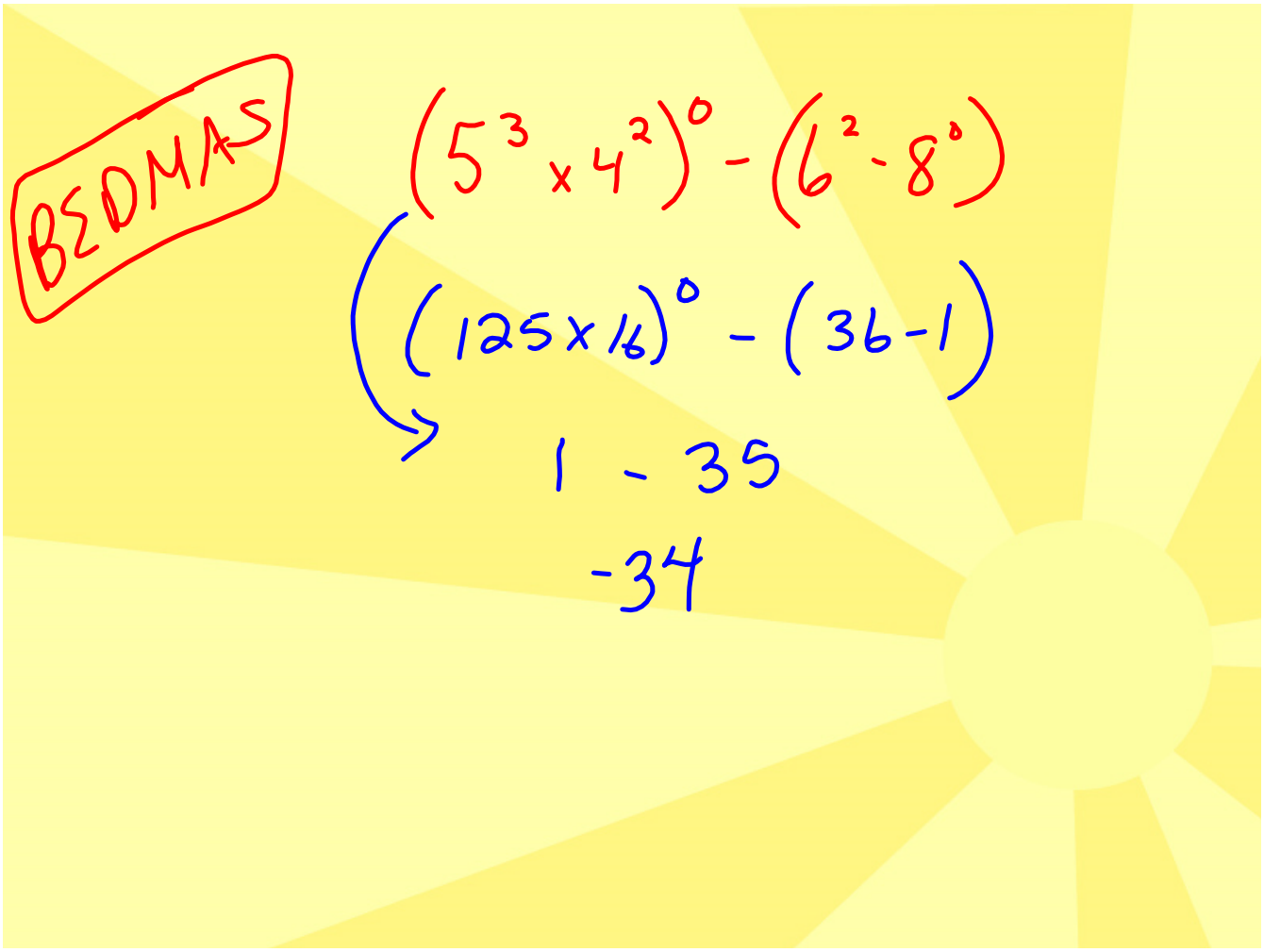
$27 + -2$

25

(-4^2) A

-4^2 B

$(-4)^2$ C


BEDMAS
$(5^3 \times 4^2)^0 - (6^2 - 8^0)$
$(125 \times 1)^0 - (36 - 1)$
$1 - 35$
-34

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

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

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

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

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

$$\frac{6570}{-9}$$

-730

Numerator

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

$9(8+1)^3+9$

$9(9)^3+9$

$9(729)+9$

$6561+9$

6570

Denominator

4^2-5^2

$16-25$

-9

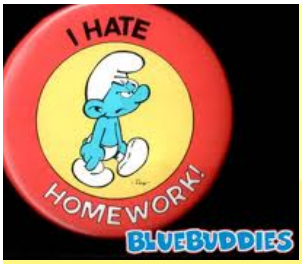
$$\frac{2^4 + (16 - 3 \times 4)}{(6+3^2) \div (7-4)}$$ BEDMAS

$$\frac{16 + (16 - 3 \times 4)}{(6+9) \div 3}$$

$$\frac{16 + (16 - 12)}{15 \div 3}$$

$$\frac{16+4}{5}$$

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



Classwork/Homework

Page 66

all

3, 4, 5, 8, 10, 16

a, c, e

a, c, e

a, c, e

Page 69

#8

a, c, e

page 474

Extra work to prepare for assignment...page 69 1, 2, 4, 5, 6, 9