

NAME: _____

1. Evaluate (assume $x \neq 0$ and $y \neq 0$):

$$4x^0 - 7y^0$$

- [A] $4x - 7y$ [B] -3
[C] 0 [D] $-3xy$

2. Evaluate (assume $x \neq 0$ and $y \neq 0$):

$$3x^0 - 8y^0$$

- [A] -5 [B] $-5xy$
[C] 0 [D] $3x - 8y$

3. Evaluate (assume $x \neq 0$ and $y \neq 0$):

$$8x^0 - 5y^0$$

- [A] $8x - 5y$ [B] $3xy$ [C] 3 [D] 0

4. Evaluate

$$x^3 + 2y^2 + 4(x - y)(5x^3 + 2xy^4 + 2y^3)^0 \text{ if } x = 2$$

and $y = 4$.

5. Evaluate

$$x^2 - 2y^2 + 2(y - x)(2x^2 + 5xy^4 + 5y^2)^0 \text{ if } x = 1$$

and $y = 1$.

6. Evaluate

$$x^2 - 5y^3 + 3(y - x)(2x^4 + 5xy^4 + 5y^4)^0 \text{ if } x = 4$$

and $y = 1$.

7. Copy and complete the table.

a	1	2			10	
$2a^{-1}$	2	1	$\frac{2}{3}$	0.25		$\frac{1}{8}$

Solve:

8. $3(x + x^0 + 3) = 3(2x + 2)$

9. $2(x - x^0 + 3) = 2(2x - 1)$

10. $3(x + x^0 - 3) = 2(2x - 2)$

[1] B

[2] A

[3] C

[4] 32

[5] -1

[6] 2

[7]

a	1	2	3	8	10	16
$2a^{-1}$	2	1	$\frac{2}{3}$	0.25	$\frac{1}{5}$	$\frac{1}{8}$

[8] 2

[9] 3

[10] -2