mobius

Algebra with Exponents - Binomial and Constant
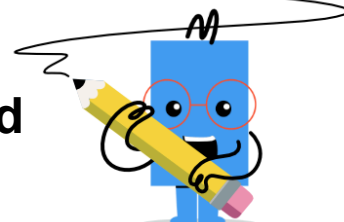
1 Simplify and solve for x

$$2^{(6x-9)} = 8$$

A	B	C	D
$x = 3$	$x = 4$	$x = 1$	$x = 2$

2 Simplify and solve for p

$$3^{(6p+8)} = 9$$

A	B	C	D
$p = 1$	$p = -2$	$p = -1$	$p = 0$

3 Simplify and solve for t

$$6^{(2t-4)} = 36$$

A	B	C	D
$t = 4$	$t = 3$	$t = 5$	$t = 2$

4 Simplify and solve for w

$$6^{(5w+7)} = 36$$

A	B	C	D
$w = 0$	$w = -2$	$w = 1$	$w = -1$

5 Simplify and solve for y

$$3^{(5y-8)} = 9$$

A	B	C	D
$y = 2$	$y = 3$	$y = 1$	$y = 4$

6 Simplify and solve for y

$$2^{(7y-4)} = 8$$

A	B	C	D
$y = 2$	$y = 1$	$y = 0$	$y = 3$

7 Simplify and solve for y

$$4^{(5y+7)} = 16$$

A	B	C	D
$y = -2$	$y = 1$	$y = -1$	$y = 0$

8 Simplify and solve for x

$$8^{(2x+6)} = 64$$

A	B	C	D
$x = 0$	$x = -2$	$x = -3$	$x = -1$