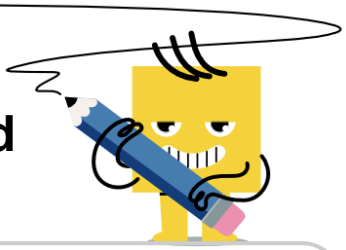
Name

Algebra with Exponents - Binomial and Monomial



1 Simplify and solve for q

$$6^{(2q+5)} = 216^{q}$$

A	B	C	D
$q = 5$	$q = 7$	$q = 6$	$q = 4$

2 Simplify and solve for w

$$3^{(5w-6)} = 9^{w}$$

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

3 Simplify and solve for w

$$4^{(9w-6)} = 64^{w}$$

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

4 Simplify and solve for x

$$9^{(8x+6)} = 81^{x}$$

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

5 Simplify and solve for r

$$3^{(5r-8)} = 81^{r}$$

A	B	C	D
$r = 8$	$r = 9$	$r = 10$	$r = 7$

6 Simplify and solve for t

$$2^{(4t+9)} = 32^{t}$$

A	B	C	D
$t = 9$	$t = 8$	$t = 10$	$t = 11$

7 Simplify and solve for q

$$3^{(6q-8)} = 81^{q}$$

A	B	C	D
$q = 3$	$q = 6$	$q = 4$	$q = 5$

8 Simplify and solve for n

$$2^{(8n-9)} = 32^{n}$$

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