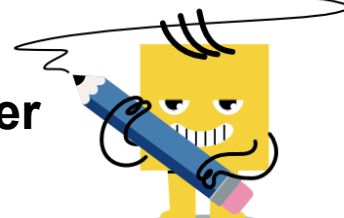




Algebra with Exponents - Binomial over Constant and Monomial



1

Simplify and solve for x

$$7\left(\frac{2x+8}{5}\right) = 49^x$$

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

2

Simplify and solve for x

$$6\left(\frac{5x+3}{2}\right) = 36^x$$

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

3

Simplify and solve for q

$$3\left(\frac{9q+5}{4}\right) = 9^q$$

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

4

Simplify and solve for r

$$8\left(\frac{3r+9}{3}\right) = 64^r$$

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

5

Simplify and solve for t

$$3\left(\frac{7t-5}{3}\right) = 81^t$$

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

6

Simplify and solve for w

$$4\left(\frac{6w-8}{4}\right) = 16^w$$

A $w = -2$ B $w = -3$ C $w = -5$ D $w = -4$

7

Simplify and solve for r

$$4\left(\frac{7r+8}{3}\right) = 16^r$$

A $r = -6$ B $r = -9$ C $r = -8$ D $r = -7$

8

Simplify and solve for r

$$9\left(\frac{8r+4}{3}\right) = 81^r$$

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