Name

Logarithm Algebra (Power Property) - To Answer (Coefficient N)

1 Use the power rule to simplify this and solve for 'q'

$$2\log_8(-2q+1)=\log_8(9)$$

A	B	C
$q=-4$	$q=-8$	$q=-1$

2 Use the power rule to simplify this and solve for 'r'

$$2\log_5(2r-6)=\log_5(4)$$

A	B	C
$r=-4$	$r=-5$	$r=4$

3 Use the power rule to simplify this and solve for 'm'

$$2\log_{10}(m-5)=\log_{10}(4)$$

A	B	C
$m=7$	$m=12$	$m=-3$

4 Use the power rule to simplify this and solve for 'n'

$$2\log_3(n+5)=\log_3(4)$$

A	B	C
$n=-9$	$n=-3$	$n=6$

5 Use the power rule to simplify this and solve for 'q'

$$2\log_6(-1q-9)=\log_6(4)$$

A	B	C
$q=-3$	$q=-11$	$q=-8$

6 Use the power rule to simplify this and solve for 't'

$$2\log_9(-2t+4)=\log_9(4)$$

A	B	C
$t=2$	$t=1$	$t=-9$

7 Use the power rule to simplify this and solve for 'p'

$$2\log_4(p-9)=\log_4(9)$$

A	B	C
$p=12$	$p=17$	$p=8$

8 Use the power rule to simplify this and solve for 'q'

$$2\log_8(q+8)=\log_8(1)$$

A	B	C
$q=-13$	$q=-15$	$q=-7$