Name

Logarithm Algebra (Product Property) - To Quadratic (Coefficient 1)

1 $\log_{10}(n-6)+\log_{10}(n-3)=\log_{10}(4)$

Use the product rule to simplify this to a quadratic of variable 'n'

A	B	C
$2n^2-11n+18=0$	$n^2-9n+14=0$	$n^2-11n+15=0$

2 $\log_6(p-9)+\log_6(p-8)=\log_6(2)$

Use the product rule to simplify this to a quadratic of variable 'p'

A	B	C
$p^2-17p+72=0$	$0p^2-19p+68=0$	$p^2-17p+70=0$

3 $\log_9(w-3)+\log_9(w-9)=\log_9(7)$

Use the product rule to simplify this to a quadratic of variable 'w'

A	B	C
$w^2-12w+20=0$	$2w^2-13w+20=0$	$w^2-12w+24=0$

4 $\log_3(w+1)+\log_3(w-5)=\log_3(7)$

Use the product rule to simplify this to a quadratic of variable 'w'

A	B	C
$0w^2-3w-14=0$	$w^2-4w-12=0$	$2w^2-6w-12=0$

5 $\log_6(x-7)+\log_6(x-7)=\log_6(4)$

Use the product rule to simplify this to a quadratic of variable 'x'

A	B	C
$x^2-14x+45=0$	$x^2-14x+48=0$	$2x^2-14x+47=0$

6 $\log_5(p-8)+\log_5(p-7)=\log_5(6)$

Use the product rule to simplify this to a quadratic of variable 'p'

A	B	C
$p^2-15p+50=0$	$2p^2-14p+51=0$	$2p^2-15p+51=0$

7 $\log_{10}(z-5)+\log_{10}(z+3)=\log_{10}(9)$

Use the product rule to simplify this to a quadratic of variable 'z'

A	B	C
$z^2-1z-21=0$	$z^2-2z-24=0$	$2z^2-4z-27=0$

8 $\log_5(w-2)+\log_5(w-4)=\log_5(3)$

Use the product rule to simplify this to a quadratic of variable 'w'

A	B	C
$2w^2-7w+4=0$	$w^2-6w+5=0$	$0w^2-7w+2=0$