

Horrendous Substitutions

Set out your work correctly. Do one step at a time. Check every step as you go. Put the equals signs below each other. (If you don't, I'll make you do it again!) You may use a calculator.

If $x = 11$, $y = 99$ and $z = 297$ find:

A $z - (x + y)$

B $(x + 1)(x + 2)(x + 3)$

E $xyz - y^2$

I $x^2 + y^2 + z^2$

M $(z - y)^2 + x^2$

N $(x + y + z)^2$

O $x^2 + y^2 + z^2 - 3yz$

R $\frac{x^2 - 1}{x + 1}$

A musical instrument

T $\frac{y}{x} + \frac{z}{y} + x^2$

U $x(z + 1)(z - 1)$

	133
	187
	39,325
	2184
	9922
	2970,288
	10
	98,131
	165,649
	313,632