

# Substitute into 2-step expressions

1 Substitute  $y = 6$  into each of these expressions.

a)  $3y + 2 =$  

$y$	$y$	$y$	2
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b)  $3(y + 2) =$  

$y$	2
$y$	2
$y$	2

c)  $8 + 2y =$  

8	$y$	$y$
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d)  $2(4 + y) =$  

4	$y$
4	$y$

2 Jack is substituting  $g = 3$  into these expressions.

$4g + 5$

$4(g + 5)$

I will get the same answer for both as I just need to multiply  $g$  by 4 and add on 5



Draw a function machine for each expression to show why Jack is incorrect.

3 Evaluate the expressions when  $z = 6$

a)  $3z + 7 =$

c)  $4 + z =$

$2z - 5 =$

$4 + 3z =$

$10z + 6.3 =$

$20 - 2z =$

b)  $3(z + 7) =$

d)  $\frac{z - 1}{5} =$

$2(z - 5) =$

$\frac{z}{3} + 2 =$

$10(z + 5.3) =$

$3 + \frac{z}{2} =$

