

Name:	Class:	
Write equivalent exp	pressions using properties	
		1
Complete the expression below using	the given property to get its	
equivalent expression.	. (use associative property of multiplication	n)
(4a.2).3 – 4a	(use associative property of multiplication	(1)
Select the property used given the ex	opressions below.	
a . 1 = a		
identity property of addition	identity property of multiplication	
zero propery of multiplication	distributive property	
11 + b + 3 = b + 11 + 3 = b + 14		
associative property	commulative property of addition	

distributive property

commutative property of addition \square identity property of multiplication.

identity property of addition

a.0=0

associative property of addition

zero property of multiplication

2.





Name:	Class:
Write equivalent expressions using	g properties
Complete the expression below using the given pro	perty to get its
equivalent expression.	
(4a.2).3 = 4a3 = 4a (use associa	ative property of multiplication)
Using associative property of multiplication.	
Solve the first two expressions first.	
That is, (4a . 2) . 3	
= 4a.?.3 (use the property here)	
= (4a.2).3 = 4a.2.3	
Solve the last two expressions. 4a . 2 . 3 = 4a .	
Multiply 2 and 3 on the left side of the expression.	
4a. (2 x 3) = 4a.	
4a. 6 = 4a. 6	
So, the complete expression $4a.2.3 = 4a.2.3 = 4a$	a . 6 are equivalent.
Select the property used given the expressions belo	ow.
a . 1 = a	
☐ identity property of addition ☐ ☐ identity p	property of multiplication
zero propery of multiplication distributiv	ve property
11 . b . 7 - b . 11 . 7 - b . 14	
11 + b + 3 = b + 11 + 3 = b + 14	
associative property commula	itive property of addition
discountive property — committee	itive property or addition
associative property of addition distribution	ve property
a . O = O	
zero property of multiplication identity p	property of addition
commutative property of addition identity p	property of multiplication.