

Name Key
Mrs. Roubos

Date _____
8A Period _____

Do Now

Tara and Curtis are simplifying $[4(10) - 3^2] + 6(4)$. Is either of them correct? Explain your reasoning.

Tara	Curtis
$[4(10) - 3^2] + 6(4)$	$[4(10) - 3^2] + 6(4)$
$= [4(10) - 9] + 6(4)$	$= [4(10) - 9] + 6(4)$
$= 4(1) + 6(4)$	$= (40 - 9) + 6(4)$
$= 4 + 6(4)$	$= 31 + 6(4)$
$= 4 + 24$	$= 31 + 24$
$= 28$	$= 55$

Curtis is correct B/c he followed order of operations he multiplied $4(10)$ first where Tara subtracted 9 from 10. Multiplication comes before subtraction in order of operations so Curtis did it correct