

3.

Which of the following is the remainder of  $3w^3 - 3w^2 + w + 1$  divided by  $w - 3$

		$+ (3w^2)$	$+ (6w)$	$+ (19)$
$w - 3$	$(3)w^3$	$+ (-3)w^2$	$+ (1)w$	$+ (1)$
	$(3w^3)$	$+ (-9w^2)$		
		$+ (6)w^2$	$+ (1)w$	$+ (1)$
		$+ (6w^2)$	$+ (-18w)$	
			$+ (19)w$	$+ (1)$
			$+ (19w)$	$+ (-57)$
				$+ (58)$