

3.

Which of the following is the Quotient of  $-3f^6 - 9f^5 + 6f^4 + 34f^3 + 21f^2 + 4f + 8$  divided by  $(-f - 2)^2(2 - f)$

				$+ (3f^3)$	$+ (3f^2)$		$+ (2)$
$(-f - 2)^2(2 - f)$	$(-3)f^6$	$+ (-9)f^5$	$+ (6)f^4$	$+ (34)f^3$	$+ (21)f^2$	$+ (4)f$	$+ (8)$
	$(-3f^6)$	$+ (-6f^5)$	$+ (12f^4)$	$+ (24f^3)$			
		$+ (-3)f^5$	$+ (-6)f^4$	$+ (10)f^3$	$+ (21)f^2$	$+ (4)f$	$+ (8)$
		$+ (-3f^5)$	$+ (-6f^4)$	$+ (12f^3)$	$+ (24f^2)$		
				$+ (-2)f^3$	$+ (-3)f^2$	$+ (4)f$	$+ (8)$
				$+ (-2f^3)$	$+ (-4f^2)$	$+ (8f)$	$+ (16)$
					$+ (f^2)$	$+ (-4f)$	$+ (-8)$

Coefficient list:

$\{3, 3, 0, 2\}$