**1.**

Which of the following is the Quotient of $-3\,v^6 + 9\,v^5 + 9\,v^4 - 47\,v^3 + 21\,v^2 + 41\,v - 33$ divided by $(-v - 1)\,(1 - v)^2$

| | | | | + (3 v^3) | + (-6 v^2) | + (-12 v) | + (26) |
|---|---|---|---|---|---|---|---|
| $(-v - 1)\,(1 - v)^2$ | $(-3)\,v^6$ | $+ (9)\,v^5$ | $+ (9)\,v^4$ | $+ (-47)\,v^3$ | $+ (21)\,v^2$ | $+ (41)\,v$ | $+ (-33)$ |
| | $(-3\,v^6)$ | $+ (3\,v^5)$ | $+ (3\,v^4)$ | $+ (-3\,v^3)$ | | | |
| | | $+ (6)\,v^5$ | $+ (6)\,v^4$ | $+ (-44)\,v^3$ | $+ (21)\,v^2$ | $+ (41)\,v$ | $+ (-33)$ |
| | | $+ (6\,v^5)$ | $+ (-6\,v^4)$ | $+ (-6\,v^3)$ | $+ (6\,v^2)$ | | |
| | | | $+ (12)\,v^4$ | $+ (-38)\,v^3$ | $+ (15)\,v^2$ | $+ (41)\,v$ | $+ (-33)$ |
| | | | $+ (12\,v^4)$ | $+ (-12\,v^3)$ | $+ (-12\,v^2)$ | $+ (12\,v)$ | |
| | | | | $+ (-26)\,v^3$ | $+ (27)\,v^2$ | $+ (29)\,v$ | $+ (-33)$ |
| | | | | $+ (-26\,v^3)$ | $+ (26\,v^2)$ | $+ (26\,v)$ | $+ (-26)$ |
| | | | | | $+ (v^2)$ | $+ (3\,v)$ | $+ (-7)$ |

Coefficient list:

{3, -6, -12, 26}