Which of the following is the remainder of 2 n^3 + n^2 + 2 divided by n + 3

$$\frac{+(2 n^2)}{(2) n^3 + (1) n^2}$$

$$+(-5) n^2$$

+ $(-5 n^2)$ + $(-15 n)$

$$(-5 \text{ n}^2)$$
 + (-15 n)

$$+(-5 n^2) + (-15 n^2) + (15) n$$

+(2)

+(2)