

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

$$(-w^3) + (3w^2)$$

w-3  $(-1) w^3 + (-2) w^2 + (-2) w + (3)$ 

$$+(-5)w^{2} + (-2)w + (3)$$
  
  $+(-5w^{2}) + (15w)$ 

$$+(15 w)$$
  
 $+(-17) w +(3)$