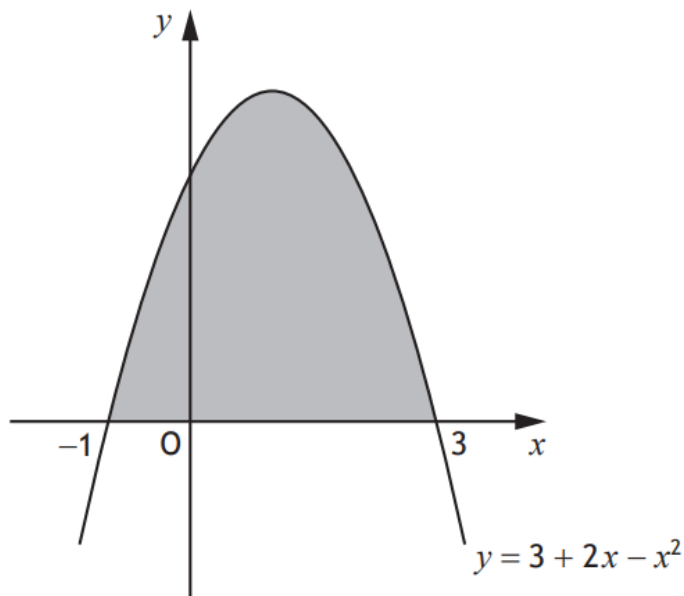The diagram shows the curve with equation $y = 3 + 2x - x^2$.

Calculate the shaded area. **4**

Answer:

$\dfrac{32}{3}$ (units²)