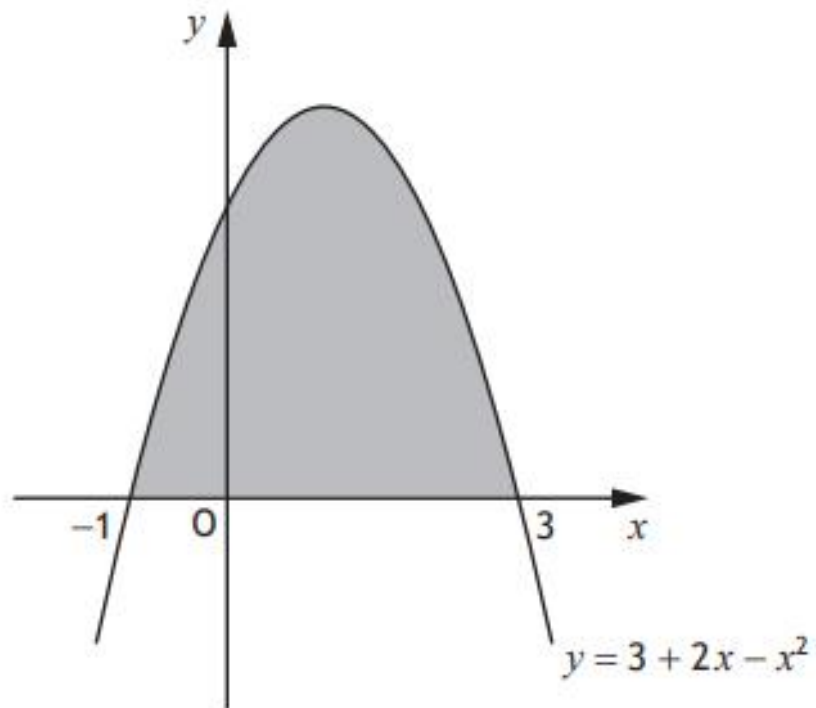




2018 P2 Q1

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



Calculate the shaded area.

Answer

$$\frac{32}{3} \text{ units}^2$$