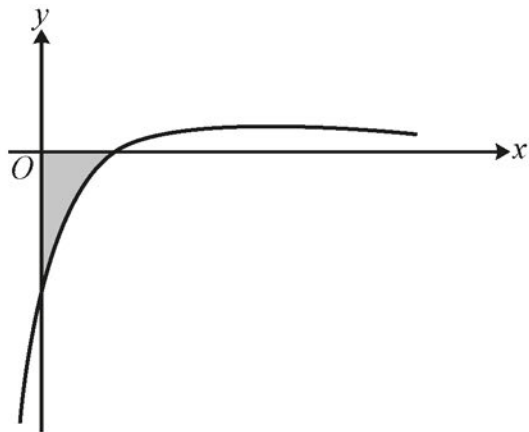


6



The diagram shows part of the curve  $y = \frac{2x-1}{(2x+3)(x+1)^2}$ .

Find the exact area of the shaded region, giving your answer in the form  $p + q \ln r$ , where  $p$  and  $q$  are positive integers and  $r$  is a positive rational number. **[10]**