

Special Integrals

Draw a line joining the correct answer to the question

$f(x)$	$\int f(x)dx$
$(3x + 2)^3$	$\frac{1}{2} \sin(2x + \frac{\pi}{3}) + c$
$\cos(2x + \frac{\pi}{3})$	$\frac{1}{12} (3x + 2)^4 + c$
$(4x - 1)^3$	$\frac{1}{-8} (4x - 1)^{-2} + c$
$\sin(2x + \frac{\pi}{3})$	$\frac{1}{16} (4x - 1)^4 + c$
$(4x - 1)^{-3}$	$\frac{-1}{9} (3x + 2)^{-3} + c$
$(3x + 2)^{-4}$	$\frac{-1}{2} \cos(2x + \frac{\pi}{3}) + c$