

Solve:

1) What is $\frac{d}{dx} - 3\cos(x) + 5\csc(x)$?

2) Given $d(x) = -5\sec(x) + 5\cot(x)$.
What is $\frac{dd}{dx}$?

3) What is the derivative of:
 $v(x) = 2\sec(x) + 5\sin(x)$?

4) Given $w(x) = 4\tan(x) - 4\sin(x)$.
What is $\frac{dw}{dx}$?

5) Given $s(x) = -4\sin(x) + 3\cot(x)$.
What is $\frac{ds}{dx}$?

6) $\int 2\csc(2x - 3)\cot(2x - 3) dx =$

7) $\int \sec^2(-4x + 1) dx =$

8) $\int 3\sec(-5x + 3)\tan(-5x + 3) dx =$

9) $\int 3\sin(3x + 3) dx =$

10) $\int \csc^2(-3x - 3) dx =$