

# Calculus Derivative

## 1 Exercises

Find the derivative of:

1.  $2x^2 + \cos(2x)$
2.  $8x^2 + \cos(8x)$
3.  $6x^2 + \cos(6x)$
4.  $4x^2 + \cos(4x)$
5.  $7x^2 + \cos(7x)$
6.  $9x^2 + \cos(9x)$
7.  $5x^2 + \cos(5x)$
8.  $3x^2 + \cos(3x)$

## 2 Answers

1.  $4x - 2 \sin(2x)$
2.  $16x - 8 \sin(8x)$
3.  $12x - 6 \sin(6x)$
4.  $8x - 4 \sin(4x)$
5.  $14x - 7 \sin(7x)$
6.  $18x - 9 \sin(9x)$
7.  $10x - 5 \sin(5x)$
8.  $6x - 3 \sin(3x)$