5.3 Derivatives of power functions

Checklist

What you should know

By the end of this subtopic you should be able to:

- find the derivative of $y = x^n$, where $n \in \mathbb{Z}$
- use the constant factor rule to find the derivative of $y = ax^n$, where $n \in \mathbb{Z}$
- use the sum and constant factor rules to find the derivative of combinations (sums and differences) of expressions of the form ax^n, where $n \in \mathbb{Z}$.