1	The maximum theoretical power P of a wind turbine is given by the equation
	$P = k \rho A v^n$
	where ρ is the density of air, A is the area swept by the turbine blades, v is the speed of the air and k is a constant with no units.

What is the value of n?

Δ 1

B 2

C 3

D 4

2 What is the unit of resistance when expressed in SI base units?

A $kg m^2 s^{-2} A^{-1}$

B $kg m^2 s^{-3} A^{-2}$

C $kg m s^{-2} A^{-1}$

D $kg m s^{-3} A^{-1}$

Space for working