A6 Equations of Graphs

The table shows the formula for a particular physical relationship, and what has been plotted on the x and y axes. You should write down (in terms of the letters in the formula) what the y-intercept and gradient will be. If the graph is not going to be a straight line, write 'not straight' instead of a gradient.

	Equation	y axis	x axis	y-intercept	Gradient
A6.1	$V = \varepsilon - Ir$	V	I	(a)	(b)
A6.2	$s = \frac{1}{2}gt^2$	s	t^2	(a)	(b)
A6.3	$R = \frac{\rho L}{A} + K$	R	L	(a)	(b)
A6.4	$\frac{L}{T} = \lambda f + D$	T^{-1}	λ	(a)	(b)
A6.5	$\frac{1}{R} = \frac{1}{S} + \frac{1}{T}$	R^{-1}	S^{-1}	(a)	(b)
A6.6	$qV = hf - \phi$	V	f	(a)	(b)
A6.7	$d \sin \theta = n\lambda$	$\sin \theta$	n	(a)	(b)