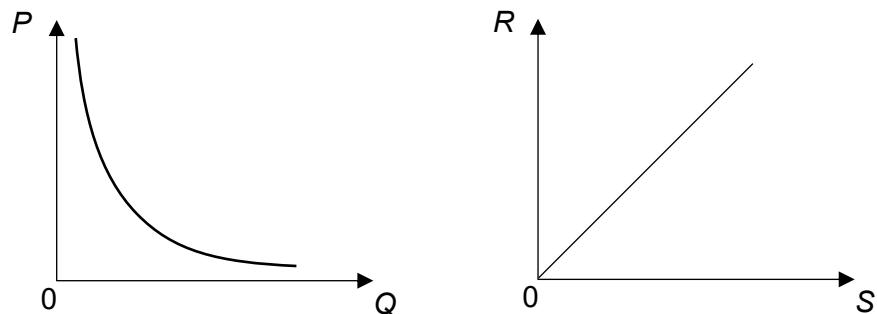


- 17 Light waves from a particular point source travel without the loss of energy. At various distances from the source, the intensity and amplitude of the light are measured.

The following graphs illustrate the relationship between these quantities.



Which row of the table below shows what the variables P , Q , R and S represent?

	P	Q	R	S
A	amplitude	distance	intensity	amplitude
B	amplitude	distance	intensity	$(\text{amplitude})^2$
C	intensity	$(\text{distance})^2$	intensity	amplitude
D	intensity	amplitude	intensity	$(\text{distance})^2$