Lecture 1
Video 5

Fill in the chart below:

Exercise	Ring	Commutative?	Set of units?	integral domain?	PID?	ED?	Optimal → Division Ring?
(a)	$\mathbb{Z}$						
(b)	$\mathbb{Z}_n$						
(c)	$\mathbb{Q}$						
(d)	$\mathbb{R}$						
(e)	$\mathbb{C}$						
optimal → (f)	$\mathbb{H}$						
(g)	$\mathrm{Mat}_n(R)$ Matrix ring over a ring R						
(h)	$R[x_1, \ldots, x_n]$ Polynomial ring over a ring R						