

6(a)	a region where a force acts on
	a current-carrying conductor
	or a <u>moving</u> charge
	or a magnetic material / magnetic pole
6(b)	concentric circles around the wire
	spacing between circles increases with distance from wire
	arrows showing direction of field is clockwise
6(c)(i)	$F = BIL$
	force per unit length $= BI$
	$= 2.6 \times 10^{-3} \times 5.0$
	$= 0.013 \text{ N m}^{-1}$
6(c)(ii)	to the right
6(c)(iii)	force (per unit length) has the same magnitude due to Newton's 3rd law
	$0.013 = 1.5 \times 10^{-3} \times I$
	current = 8.7 A