	A(2, k)	B(2.9, 2.8025)	C(2.99, 2.9800)	D(2.999, 2.9980)	E(3, 3)
(a)	Find $k$ , giving your answer correct to 4 decimal places.				
(b)	Find the g	gradient of $AE$ , givin	g your answer correct	to 4 decimal places.	[
	gradients ectively.	of BE, CE and DE	E, rounded to 4 decin	nal places, are 1.9748,	1.9975 and 1.999
	ectively.  State, givi		r answer, what the va	nal places, are 1.9748,	nts suggest about the
resp	ectively.  State, givi	ing a reason for you	r answer, what the va		nts suggest about tl
resp	ectively.  State, givi	ing a reason for you	r answer, what the va		nts suggest about tl
resp	ectively.  State, givi	ing a reason for you	r answer, what the va		nts suggest about the
resp	ectively.  State, givi	ing a reason for you	r answer, what the va		