

INFT1207 Lab 3 Group 3
 Test Case Design Document
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Test Case No.	Sub-cases	Use Mode	Descr.	Params	Expected Output	Actual Output	Match
1	a	C	radius ≥ 0	0	0	0	Y
	b	C	radius ≥ 0	1	Pi	Pi	Y
	c	C	radius ≥ 0	5	25pi	25pi	Y
2		C	radius < 0	-1	pi	pi	Y
3	A	C	Circle radius is imaginary number, Boolean, or str	Sqrt(-1)	Domain error (ValueError in params)	Domain error (ValueError in params)	Y
	B	C	Circle radius is imaginary number, Boolean, or str	True	TypeError	Type error	Y
	C	C	Circle radius is imaginary number, Boolean, or str	"radius"	TypeError	Type error	Y
4	A	E	Major and minor axes are negative	-1, -1	Pi	Pi	Y
	B	E	Major or minor axis is negative	-1, 1	-pi	-pi	Y
5	C	E	Zero or greater for both	0, 1	0	0	Y
	D	E	Zero or greater for both	1, 1	Pi	Pi	Y
	E	E	Zero or greater for both	2, 5	10pi	10pi	Y

6	A	E	One or more is imaginary, Boolean or str	Sqrt(-1), 1	Domain error (ValueError in params)	Domain error (ValueError in params)	Y
	B	E	One or more is imaginary, Boolean or str	True, 1	TypeError	TypeError	Y
	C	E	One or more is imaginary, Boolean or str	“major”, 1	TypeError	TypeError	Y
7	A	T	One or more negative nums	-1, -1, -1	1	1	Y
	B	T	One or more negative nums	-1, -1, 1	-1	-1	Y
	c	T	One or more negative nums	-1, 1, 1	0	0	Y
8	A	T	Zero or greater	0, 1, 1	0.5	0.5	Y
	B	T	Zero or greater	1, 1, 1	1	1	Y
	C	T	Zero or greater	2, 3, 4	10	10	Y
9	A	T	One or more is imaginary, Boolean or str	Sqrt(-1), 1, 1	Domain error (ValueError in params)	Domain error (ValueError in params)	Y
	B	T	One or more is imaginary, Boolean or str	True, 1, 1	TypeError	TypeError	Y
	C	T	One or more is imaginary, Boolean or str	“value”, 1, 1	TypeError	TypeError	Y
10	A	R	Negative numbers	-1, 1	-0.5	-0.5	Y
	B	R	Negative numbers	-1, -1	0.5	0.5	Y
11	A	R	Zero or greater	0, 1	0	0	Y
	B	R	Zero or greater	1, 1	0.5	0.5	Y
	C	R	Zero or greater	2, 3	3	3	Y

12	A	R	One or more is imaginary, Boolean or str	Sqrt(-1), 1	Domain error (ValueError in params)	Domain error (ValueError in params)	Y
	B	R	One or more is imaginary, Boolean or str	True, 1	TypeError	TypeError	Y
	C	R	One or more is imaginary, Boolean or str	“major”, 1	TypeError	TypeError	Y