1. input

Input	Valid input	No.	Invalid Input	No.
First Number	-1.7*10^308~17*10^308	1	Smaller than -1.7*10^308	
Input			Bigger than 1.7*10^308	13
	With decimal point	2	Non-number	14
Operators	+	3	All other operators except	15
	-	4	the +-*/^()	
	*	5		
	/	6		
	٨	7	_	
	(8	_	
)	9		
Second Number	-1.7*10^308~1.7*10^308	10	Smaller than -1.7*10^308	16
Input			Bigger than 1.7*10^308	17
	With decimal point	11	Second number input is 0	18
			Non-number	19

2. output

Test	Input value		Expected	Actual Output	
Case	First Num	Operators	Second	Output	
No.			Num		
1	10	+	1	11.0	11.0
2	22	-	3	19.0	19.0
3	56	*	2	112.0	112.0
4	99	/	33	3.0	3.0
5	3	^	3	27.0	27.0
6	-1.7*10^308	-	1	Can't Enter	Infinity
7	1.7*10^308	+	1	Can't Enter	Infinity
8	1	/	0	The divisor	Infinity
				cannot be 0	
9	2	+	n	Can't Enter	Error(1)
10	2.3	/	0.7	3.28571428571	3.2857142857142856
11	-4	*	2	-8.0	Error(2)
12	@			Can't Enter	Error(3)
13	29	^	6	Can't Enter	Error(3)
14	3+(5-2)			6.0	6.0

15	6*(3+3)	36.0	36.0
16	2+2^2	6.0	6.0
17	2^(2+2)	16.0	16.0
18	2/(2-2)	Can't Enter	Infinity
19	1.7*10^308-1.7*10^308	Can't Enter	NaN
20	2+)(3	Can't Enter	Error(3)
21	(0)	0.0	0.0
22	(1)+(34)	35.0	35.0
23	22/(0)	Can't Enter	Infinity
24	22^(0)	1.0	1.0
25	2^(-1)	0.5	Error(3)
26	one+two+three	Can't Enter	Error(4)
27	-4^2	16.0	Error(3)

Error(1): java.lang.NumberFormatException: For input string: "n" 2.0

Error(2): Exception in thread "main" java.lang.NullPointerException at cpts422.calculator.OperatorNode.Evaluate(OperatorNode.java:24) at cpts422.calculator.Expression.Evaluate(Expression.java:113) at cpts422.calculator.Main.main(Main.java:17)

Error(3): Enter expression: "Exception: java.lang.NumberFormatException: For input string: """ 0.0

Error(4): Exception in thread "main" java.lang.NullPointerException at cpts422.calculator.OperatorNode.Evaluate(OperatorNode.java:24) at cpts422.calculator.OperatorNode.Evaluate(OperatorNode.java:30) at cpts422.calculator.Expression.Evaluate(Expression.java:113) at cpts422.calculator.Main.main(Main.java:17)