

Calculator Restrictions

(effective with 2013-2014 season)

FS Calculator – Contest 1

- Order of Operations (no variables)

FS Calculator – Contest 2

- All topics from Contest 1
- Evaluate algebraic expressions

FS Calculator – Contest 3

- All topics from Contests 1 and 2
- Linear Equations
- Basic Proportion Equations which become linear or reduce to linear
- Read values in a table

FS Calculator – Contest 4

- All topics from Contests 1, 2, 3
- Quadratic Equations
- Proportions involving quadratics
- Basic Area/Perimeter

FS Calculator – Contest 5

- All topics from Contests 1, 2, 3, 4

JS Calculator – Contest 1

- Demonstrate an understanding of interval notation, including $[a, b]$ for closed and (a, b) for open intervals. Students should also understand the use of ∞ in an interval.
- Evaluate various transcendental functions, including trigonometric (both degrees and radians), inverse trigonometric (both degrees and radians), exponential, logarithmic, and natural logarithmic.
- Solve an equation using the graphing calculator
- Graph using an appropriate window (outside of -10 to 10)
- Find the point of intersection between two graphs

JS Calculator – Contest 2

- All topics from Contest 1
- Evaluate a function at various points using $Y_1(a)$
- Perform basic matrix operations on a graphing calculator
- Compute the value of a composite function using $Y_1(Y_2(a))$
- Solve an inequality using the graph on a graphing calculator.

JS Calculator – Contest 3

- All topics from Contest 1 and 2
- Perform basic complex number operations on a graphing calculator (bar notation for conjugate)
- Perform computations involving the use of factorial ($n!$)

JS Calculator – Contest 4

- All topics from Contests 1, 2, 3
- State the domain and/or range of a function using interval notation based upon its graph
- Identify a basic Cartesian graph given its polar or parametric form

JS Calculator – Contest 5

- All topics from Contests 1, 2, 3, 4