

## Senior Equations® Variations 2011-12

All the Junior variations for this year plus the following:

11.  $\sqrt{\phantom{x}} = i \sqrt{\phantom{x}}$  shall not represent the root operation but instead may represent the imaginary number  $i$  (such that  $i^2 = -1$ ). The  $\sqrt{\phantom{x}}$  may be placed immediately before or after a numeral without the  $x$  sign.
12. Decimal in Goal Each Equation-writer may determine where decimal points occur in the Goal.
13. Log  $\cdot$  (sideways  $\div$ ) represents the log operation. Thus if  $a$  and  $b$  are positive real numbers ( $b \neq 1$ ),  $a \cdot b$  equals  $\log_b a$ .

### EQUATIONS/ON-SETS SCORING CHARTS

#### Scoring after a Challenge

Player	Correct	Incorrect
Challenger	6	2
Mover	6	2
Third Party Joining Challenger	4	2
Third Party Joining Mover	6	2

#### Scoring at the End of a Match (Round)

Three-Player Match		Two-Player Match	
First place alone	6	First place alone	6
Two-way Tie for First	5	Two-way Tie for First	5
Three-way Tie for First	4	Second Place Alone	4
Second Place Alone	4	Did Not Play	0
Tie for Second	3		
Third Place Alone	2		
Did Not Play	0		

**DO NOT MARK THIS SHEET!**