

Section 924: HIGH SCHOOL CALCULATOR APPLICATIONS CONTEST

(a) THE CONTEST.

- (1) *Purpose.* The Calculator Applications Contest trains students in efficient problem solving strategies involving calculations in the areas of engineering, science and mathematics.
- (2) *Format.* The contest includes calculations involving addition, subtraction, multiplication, division, roots, powers, exponentiation, logarithms, trigonometric functions, inverse trigonometric functions, iterative solutions for transcendental equations, differential and integral calculus, elementary statistics and matrix algebra. In addition to straightforward calculation problems, the contest shall include geometric and stated problems similar to those found in recently adopted high school algebra, geometry, trigonometry, pre-calculus and calculus textbooks, previous contests, and UIL materials related to the contest.
- (3) *Calculators.* Refer to the contest handbook for restrictions on calculators.
- (4) *Late Arrivals.* Qualified contestants not present when the tests are distributed will be disqualified.

(b) ENTRIES.

- (1) *Individual Competition.* Each member high school may enter as many as four individuals in the district meet.
- (2) *Team Competition.* A school shall have a minimum of three contestants compete in order to participate in the team competition. All four members of the winning team will advance to the next higher level of competition.

(c) QUALIFICATION. Individuals, team and wildcards qualify for the next level of competition according to Section 902.

(d) TIES.

- (1) *Individual Competition.* When determining first or second place, if two or more contestants have identical raw scores, the higher place shall be given to the contestant gaining the most points on stated and geometric problems. If the same number of points are gained on stated and geometric problems, then a tie exists.
- (2) *Team Competition.* Refer to Section 902 (h)(3)(D).