



DOUGLAS COLLEGE

MATH 11 EXEMPTION TEST

WHO SHOULD WRITE/WHAT THE TEST IS DESIGNED TO DO

The Math 11 Exemption is a 3-hour exam equivalent in breadth and rigor to the content taught in Foundations of Math 11 or Principles of Math 11. The Math 11 Exemption generates both a percent score and a corresponding letter grade using equivalences that are standard across the College. Passing the Exemption (with a grade of C or better) results in a standing which is equivalent to having passed the course itself; that is, the results from the Exemption may be used to meet specific prerequisites at Douglas College. Dispensing Optician and Hospitality Management applicants must score 28-29 to achieve a grade of C-.

WHO SHOULD NOT WRITE/WHAT THE TEST IS *NOT* DESIGNED TO DO

It is not one of the “math readiness assessments” which specific departments have instituted for their students alone: e.g. Commerce and Business, CSIS, HIMP, GNUR, PNUR, AHT and PSYC 2300. For information about a “readiness assessment”, please consult Assessment Services or the particular department involved.

It is not a “course challenge” for obtaining course credit. For information on “course challenge”, please contact the Office of the Registrar.

WHAT IT TESTS

The test consists of questions drawn from the following topics:

- simplifying algebraic expressions: rational expressions, expressions with roots and/or positive, negative or rational exponents, complex fractions
- excluded value(s) of a variable in radical and rational expressions
- factoring of polynomials
- solving equations: linear, quadratic, radical, rational, exponential (with the variable as base or as exponent), literal
- direct and inverse variation
- function notation, evaluating functions, finding domain and range of polynomial, radical and rational functions
- graphing quadratic functions of the form $y = a(x-p)^2 + q$, completing the square, determining minimum/maximum values of quadratic functions

please see over...

- transformations of graphs of functions: linear, quadratic, cubic, square root, absolute value, exponential and reciprocal
- graphing circles and ellipses
- quadratic inequalities: parabolas, circles, ellipses
- trigonometry: determining exact values of trig functions, solving trig equations over the domain: $0 \leq \theta \leq 360^\circ$ and $\theta \in \mathbb{R}$, solving oblique triangles using the law of sines and the law of cosines

PREPARATION FOR THE TEST

Books entitled Intermediate Algebra or College Algebra can help you review for the test. Local public libraries will have these available.

FORMAT OF THE TEST

It is a 50 question multiple-choice test with a time limit of 3 hours.

TEST RESULTS

Results will be provided immediately after the assessment is marked and entered on your student record.

The conversion of percent score to letter grades is as follows:

A+	95-100%	B+	80-84%	C+	65-69%	P	50-54%
A	90-94%	B	75-79%	C	60-64%	F	<50%
A-	85-89%	B-	70-74%	C-	55-59%		

WHAT TO BRING TO THE TEST

Please bring your student number, photo identification, and a pen or pencil, a **scientific calculator** but not a graphing calculator. The invigilator will provide scratch paper which will be collected when you complete the test.

TO BOOK AN APPOINTMENT

Assessments are held on an on-going basis throughout each semester at the New Westminster & David Lam campuses. The Testing Schedules are posted on the Douglas College Website www.douglas.bc.ca/application-services/assessment-testing. There is no accommodation for walk-ins.

To book an Assessment at the New Westminster or David Lam campuses contact the Registrar's Office by telephone at 604-527-5478 or in person at NW Room 2700 or DL Room A1450.

TESTING POLICY

Students may take an assessment for admission to courses and/or programs a maximum of two times within a two year period, with a minimum of 4 months between tests. Students who believe extenuating circumstances exist may contact the Registrar to request special consideration or exemption to this policy.