



DOUGLAS COLLEGE

**NURS/PNUR/HIMP/CSIS/AHT
READINESS ASSESSMENT**

WHO SHOULD WRITE

Only students who do not have proof of B.C. Foundations of Math 11 OR Principles of Math 11 with a C grade or better or an approved substitution AND are Bachelor of Science Nursing program and BSN Access applicants, Psychiatric Nursing diploma or degree program applicants, Health Information Management program applicants, Computing Science Information Systems program applicants, or Animal Health Tech diploma applicants. Health Information Management program applicants require B.C. Foundations of Math 11 OR Principles of Math 11 with a C+ grade or better or an approved substitution.

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
- the discriminant and the nature of the roots of a quadratic equation
- 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
- 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.-2-

FORMAT OF THE TEST

This Assessment is a 30 question multiple-choice test which requires a mark of 18 or higher to pass. 18/30 is an approved substitution for B.C. Principles of Math 11 with a grade of C. 20/30 is an approved substitution for B.C. Principles of Math 11 with a grade of C+. The Assessment takes approximately 1 hour to complete.

TEST RESULTS

The invigilator will give you your test results once the exam is completed and marked. Results go directly on your computerized student record but you should keep your copy of the results in case you must register in person during the first two weeks of class.

WHAT TO BRING TO THE TEST

Please bring your student number, photo identification, and a pen or pencil. **No calculators are allowed.** 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 test for admission to courses and/or programs a maximum of two times within a two year period. Students who believe extenuating circumstances exist may contact the Registrar to request special consideration or exemption to this policy.