

## Math Assessment Review-Part II

### Important Information about this review package

This review material has been prepared so that you can refresh your math skills prior to writing the assessment. It is not meant to teach new material. Complete what comes back to you with a bit of refresher. If you run into difficulties, it's ~~time to~~ ~~take~~ ~~an~~ ~~appointment~~ for your math assessment. You will be provided two options for your math assessment on the [Assessment Centre](#) website; select the option that you feel is the best. If you are unsure which assessment option to choose, contact an assessor by emailing [assessment@camosur.ca](mailto:assessment@camosur.ca) or calling (250) 370-3945 or contact a Student Navigator at (250) 370-3847 and they can assist you with the decision.

Use the links provided in the review material to get help on the questions, and for extra practice. The links connect you with Khan Academy, an established online math learning program. If you wish additional instruction, search using the link title, and you will find many other learning videos. For example, if you search for help with Plac-3 laca-30 Td e10.6 (e)-35.2 (r)3.j -0.0045 ( o)4.f ch-3 la

c) A circle has a diameter of 6 cm. What is the circumference of the circle? What is the area

Review [Circumference of a Circle](#), [Area of Circle](#)

Part 2 Real Numbers

1. Calculate

a)  $7 + 3i =$  \_\_\_\_\_

b)  $(-2) + (9) =$  \_\_\_\_\_

c)  $(-5) \div 5 =$  \_\_\_\_\_

d)  $(6) \times (-9) =$  \_\_\_\_\_

e)  $3 \times 4 + 5 \times 6 - 10 =$  \_\_\_\_\_

f)  $\frac{-5}{6} \div \frac{-7}{8} =$  \_\_\_\_\_

Review [Adding and Subtracting Negative Numbers](#), [Multiplying Negative Numbers](#), [Dividing Negative Numbers](#)

2. Calculate

a)  $\sqrt{21} =$  \_\_\_\_\_

b)  $\sqrt{24 + 14} =$  \_\_\_\_\_

c)  $\sqrt{28} + \sqrt{7} =$  \_\_\_\_\_

d)  $\sqrt{2} \times \sqrt{5} =$  \_\_\_\_\_

e)  $\frac{\sqrt[3]{6}}{=}$  \_\_\_\_\_

f)  $\frac{\sqrt[3]{6}}{\sqrt[3]{4}} =$  \_\_\_\_\_

Review [Introduction to Square Roots](#), [Simplifying Square Roots](#)

Part 3 Elementary Algebra

1.  $3x^2 + 2x^2 = 5x^2$     $4x^3 + 5x^3 = 9x^3$     $6x^4 + 7x^4 = 13x^4$     $8x^5 + 9x^5 = 17x^5$     $10x^6 + 11x^6 = 21x^6$

Review [Evaluating Expressions with two variables](#)

2. Simplify  $(2x^3 + 5x^2)(4x^3 + 7x^2) =$  \_\_\_\_\_

Review [Multiplying Monomials](#)

3.  $\frac{5x^0}{9a^5} =$  \_\_\_\_\_

Review [Dividing Monomials](#)

4. Simplify and gather like terms  
 $5(3a - 2) - 4(3a - 1)$

Review the [Distributive Property](#) and [Gather Like Terms](#)

5. Simplify and gather like terms  
 $9x^2(2x^3 + 5) + (7x^3 + 4x^2 + 2)$

Review [Subtracting Polynomials](#) and [Gather Like Terms](#)

Review Polynomials

6. Multiply and simplify

a)  $(2T + 5)(3T^2)$

b)  $(T + 3)(5T^6 + 2T + 1)$

c)  $(2T + 3)U^6$

7. Factor

a)  $3U^6 + 18U$

Review

8. Simplify  $\frac{k^6 \cdot 5^1 \cdot 2^0 (5^8 \cdot i^2)}{i^2}$

11. A rectangular yard has an area of  $170 \text{ m}^2$ . The length of the yard is twice the width, what is the perimeter of the yard?

12. Write the equation of the line containing the points  $(-3, 1)$  and  $(2, 0)$

Review [Writing an Equation of a Line](#) Given 2 points

Part 4 Trigonometry

1. Given a right







3. 1

4. 8

5. 9

6.





