https://www.k12dailycheck.gov.bc.ca/healthcheck?execution=e1s6

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Me: Don Bloom 6: Eld

Pre-Calculus 12 Session 1 Tuesday, January 11, 2022

### DO NOT WRITE THIS DOWN - I WILL GIVE YOU A COPY!

- 1. Introductions, Attendance and Housekeeping
  - A. Student Information Sheet
  - B. Course Outline
    - Course delivery
    - Class times
    - Assistance outside of class-time
    - Health Protocols
    - · Required materials and Graphing Technology Options
    - · Classroom Etiquette and Housekeeping
    - Assessment and Evaluation
    - How to best succeed in the course

2. Connecting to the Secured Student Network and Your Office 365 Credentials

23. Relations, Definition of a Function, Review of Graphing, Lomain and Range from a graph, Domain and Range from an Equation, Important "Base Functions" and their Key Points

1.1 Horizontal and Vertical Translations of Graphs of Functions and Mapping Notation (if time)

## Homework:

Readings: Sections 1.1 (pages 6 to 12), 1.2 (pages 16 to 27), 1.3 (pages 32 to 38), 1.4 (pages 44 to 51) from the textbook. These readings will give you an insight on what we will be covering next class. And the one of the

Practice: This will depend on how far we get today!

Should we finish Section 1.1 today (not likely); page 12: 2, 3c,d, 4a,c, 5, 8, 11.

Other: (if any)

Health protocols

· a mask must be worn at all times except when

drinking a enting.

- try to maximize space between yourselves

- Sanitire your hands when you came into class.

Unit 1: transformations of Functions and Meir Graph

## Unit 1

# Transformations and Functions

Functions help you make sense of the world around you. Many ordinary measuring devices are based on mathematical functions:

In this unit, you will expand your knowledge of transformations while exploring radical and polynomial functions. These functions and associated transformations are useful in a variety of applications within mathematics.

- Looking Ahead In this unit, you will solve pro transformations of function inverses of functions



A function is a special land of relation.

- you reed to be able to determine of a given relation is a is not a function a if given a set of 6-dured prins

-> . f given a talsto of values

-> . f giva a graph - orf gion the equation of the

relation ("y2" meno not a function,

eg: x=g²-5 "rog" mans not a oc=-Z function

Domain and Range of Rolations and Functions

Set notation

Domains & Ranger must be given in 'set

notation's seal numbers TR

The set of all x-value such That  $\{x \mid x \in R\}$ xis an element of the real numbers Such elemant That of

· we often use Z, >, E, <

We need to be able to state he domain and

tange given.
1) a set of ordered pairs
$\{(-2,7),(-9,3),(2,5),(0,0),(1,9)\}$
$D: \{-2, -9, 2, 0, 1\}$ $R: \{7, 3, 5, 0, 9\}$ $D: \{-9, -2, 0, 1, 2\}$ $P: \{0, 3, 5, 7, 9\}$ $\{0, 5, 6, 6, 6, 6, 6\}$ $P: \{0, 3, 5, 7, 9\}$ $\{0, 5, 6, 6, 6\}$ $P: \{0, 3, 5, 7, 9\}$ $\{0, 5, 6, 6, 6\}$
-3 3 b: \{-5, -3, 2, 3\}
not (2) 19  R: 93, 5, 9, 73  Evrot com 3 17
3) given de graph.
6~
4) given the equation of a relation or function.
(more rest day).