

ALBERTA DISTANCE LEARNING CENTRE

Mathematics 10-3

MAT1793

Unit D: Geometry Chapter 8 Lesson 2

Student's Questions and Comments

FOR STUDENT USE ONLY

Student Name:

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Assigned to

Marked by

Date received

Summary

	Marks Earned	Total Possible Marks	Percent
Lesson 2		22	

Teacher's Comments:

Teacher's Signature

CANADIAN CATALOGUING IN PUBLICATION DATA

MAT1793
Mathematics 10-3
ISBN: 978-1-927090-94-7
Workbook 8

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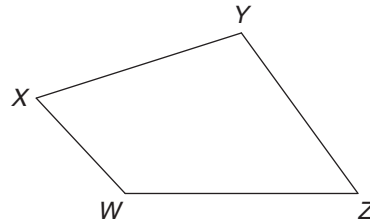


Lesson Assignment

This assignment includes short answer questions. Be sure to show all necessary work. You may ask for clarification from your teacher, but you will not be given the answer.

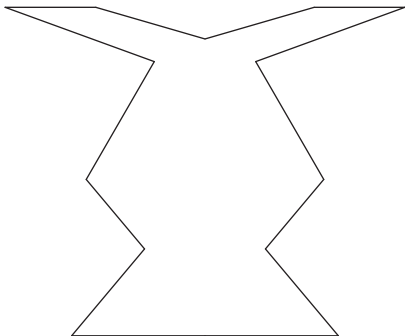
Lesson 2

- ① 1. For the following, indicate true (T) or false (F).
 - _____ a. A blueprint of a floor plan is considered an enlargement of the actual floor plan.
 - _____ b. Angle measures stay the same in a scale drawing.
- ⑦ 2. Draw a polygon, similar to the one shown, that is a reduction by a scale factor of 2.



Angle	Original Side Length	New Side Length in Reduction
$\angle W =$	$WX =$	$WX' \doteq$
$\angle X =$	$XY =$	$XY' \doteq$
$\angle Y =$	$YZ =$	$YZ' \doteq$
$\angle Z =$	$ZW =$	$ZW' =$

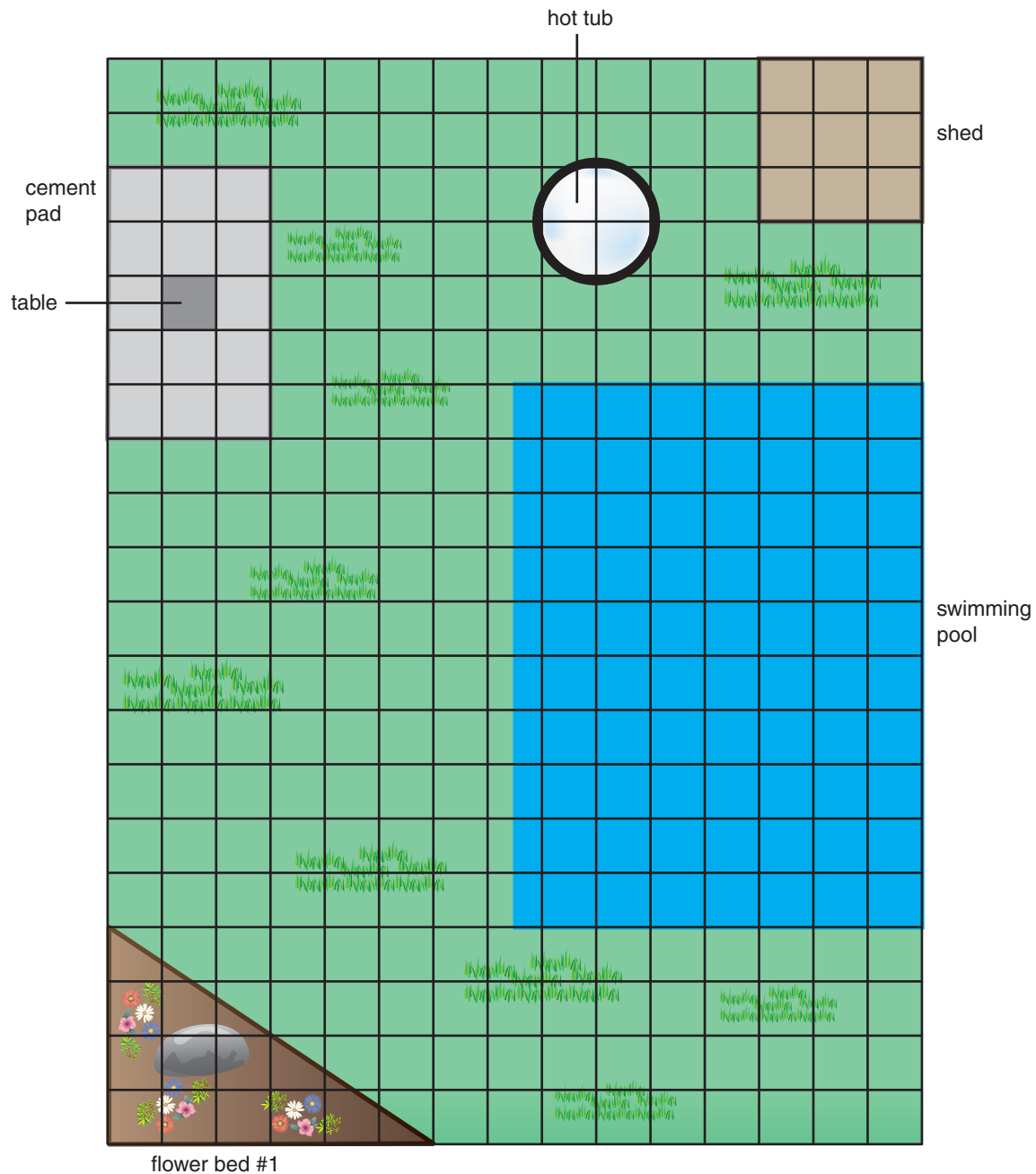
- 5
3. Draw a polygon, similar to the one shown, that is an enlargement by a scale factor of 2.



Angle	Original Side Length	New Side Length in Reduction

Scale Drawing for question 3.

Use the following blueprint to answer question 4.



4. Kenton drew a scale diagram of his backyard. He used a scale of $1 \text{ cm} = 2 \text{ m}$.

①

- a. Kenton's swimming pool has dimensions $15 \text{ m} \times 20 \text{ m}$. The swimming pool is similar to the entire backyard. What are the dimensions of the backyard?

③

b. Complete the chart.

Item	Actual Dimensions (m)
shed	length = width =
cement pad	length = width =
hot tub	diameter =

①

c. How far is the cement pad from the swimming pool?

④

d. Determine the perimeter of the actual flower bed.



After all required components of *Units A* to *D* have been completed, marked, and returned to you, review the concepts. Contact your teacher to discuss any concepts about which you are unsure. When you are ready, contact your exam supervisor to schedule an appointment to write *Exam Two*.



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Revised March 2020