

**MODULE 1A – Terms & Definitions**

**NAME** \_\_\_\_\_

**1.** 11 marks

Match the followings terms & definitions with the correct description:

\_\_\_\_\_ iron pin

\_\_\_\_\_ witnessed iron pin

\_\_\_\_\_ old iron pin

\_\_\_\_\_ horizontal control

\_\_\_\_\_ vertical control

\_\_\_\_\_ profile

\_\_\_\_\_ contour

\_\_\_\_\_ field book

\_\_\_\_\_ old concrete post

\_\_\_\_\_ chain

\_\_\_\_\_ meridian

<b>A</b>	An imaginary line which passes through that point and geographical North and South poles of the earth
<b>B</b>	A graph of elevations - a section cut from contour lines showing a side view of the terrain
<b>C</b>	Legal benchmarks (reference points) located by the Geodetic Survey of Canada They conform with the National Grid, and they are inscribed on brass plates indicating grid location and elevation
<b>D</b>	Profile analysis of grade. (i.e. slope, cut and fill)

<b>E</b>	An existing object used to reference new iron pins
<b>F</b>	a linear unit of measure which is equal to 66 feet. It is also the basis of an acre.
<b>G</b>	If an iron pin cannot be placed into an intended location due to circumstances, it can still be referenced from a nearby pin
<b>H</b>	Driven into the ground at each intersection of boundary lines
<b>I</b>	A line connecting numerous points of the same elevation from the sea level
<b>J</b>	Plan view of roads in surveying
<b>K</b>	Specially designed note books to enter field measurements

**2** One acre is equal to

- 1 mark
- A) 10 chains by 10 chains
  - B) 1 chain by 10 chains
  - C) 1 chain by 1 chains
  - D) 660 square feet

**3** An **Index** contour is usually

- 1 mark
- A) A lighter contour line
  - B) Every fifth line
  - C) Not labeled to avoid cluttering
  - D) All of the above

**4** A property line is running  $Az = 156^\circ$  and then deflects by  $87^\circ$  to the right. The new property line is now running

- 2 marks
- A) S  $63^\circ$  W
  - B)  $Az = 263^\circ$
  - C) S  $63^\circ$  E
  - D)  $Az = 69^\circ$

**5** The Bearing for an azimuth ( $Az$ ) =  $135^\circ 27' 35''$  is equal to

- 1 mark
- A) N  $44^\circ 32' 25''$  E
  - B) S  $45^\circ 27' 35''$  E
  - C) S  $44^\circ 32' 25''$  E
  - D) N  $44^\circ 32' 25''$  W



- 6** A property line is running (Az) =  $142^\circ$  and then deflects to run (Az) =  $47^\circ$ . The Deflection angle is
- 2 marks
- A)  $189^\circ$  to the right
  - B)  $189^\circ$  to the left
  - C)  $95^\circ$  to the right
  - D)  $95^\circ$  to the left
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- 7** The acceptable contour interval on a map for Highways is
- 1 mark
- A) 1 M or 2'-0"
  - B) 2 M or 4'-0"
  - C) 2 M or 5'-0"
  - D) 5 M or 10'0"
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- 8** The acceptable contour interval on a map for a Subdivision or single lot is
- 1 mark
- A) 1 M or 2'-0"
  - B) 2 M or 4'-0"



- C) 2 M or 5'-0"
- D) 5 M or 10'0"