



Land Surveyor Training

Prepared By Landon Blake
Problem Set 104

Question #1

What is the Lateral 232 station and offset for the control point RH #3?:

Answer: C

Question #2

A new control point (RH #5) is set at the following coordinate:

N: 8080.00

E: 7850.00

What is the Lateral 232 station and offset for RH #5?:

Answer: B

Question #3

What is the bearing/distance of the horizontal line between RH #2 and RH #3?:

Answer: D

Question #4

A total station is set at RH #1 with an HI of 5.20, a backsight is taken to RH #2 with a RH of 6.50. What will the slope distance measured by the total station be?:

Answer: D

Question #5

The sanitary sewer manhole identified as SS MH 63 has a lateral 232 station offset of 11+10.00 20.00 left. The sanitary sewer manhole identified as SS MH 64 has a lateral 232 station offset of 10+70.00 30.00 right. What is the bearing between the SS MH 64 to SS MH 63?:

Answer: A

Question #6

A total station is set at RH #2. A back-sight is taken to RH #1. An angle-to-the right of 113-57-45 is taken to RH #4. The horizontal distance between RH #2 and RH #4 is 178.88. What is the Northing and Easting of RH #4?:

Answer: A



Question #7

The data in the coordinate table contains a mistake. What is it?:

Answer: D

Question #8

A total station traverse between RH #2, RH #3, and RH #5 measured the following interior angles:

- 20-41-59
- 139-45-59
- 19-32-09

What is the angular closure error of the traverse?:

Answer: A

Question #9

A total station is set at RH #3. A back-sight is taken to RH #5. Which foresight observation from that set-up should have the least amount of error?:

Answer: A

Question #10

A total station is set at RH #1 with an HI of 5.32, a foresight is taken to a rod on SS MH 63 with a rod height of 6.50. The measured Zenith angle is $90^{\circ}20'32''$. What is the elevation of SS MH 64?:

Answer: C

Question #11

Which real estate legal principle is most likely to be known as "squatter's rights"?:

Answer: B



Question #12

Which phrase best defines zoning?:

Answer: A

Question #13

A temporary easement would most likely be used for:

Answer: D

Question #14

An original controlling corner is typically created by:

Answer: A

Question #15

A fee simple parcel is best defined as:

Answer: D

Question #16

At which identified point on the map would we expect distortion in the orthophoto to be worst?:

Answer: D

Question #17

As the UAV moves down flight line #1 over Blakes Creek, what happens to the footprint of each image?:

Answer: B

Question #18

Four new control points will be set before the UAV flight. Which point identified on the map would be the most redundant?

Answer: D



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Question #19

How could you improve the configuration of the flight lines?:

Answer: D

Question #20

What is the biggest problem with the proposed control point configuration?:

Answer: D