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| Field Notes – Differential Leveling and Stadia Hairs Work Sheet  |
| Point | BS (+) | HI | FS (-) | Elevation | Distances |
| BM1 |  |  |  |  | 1 & B.M. |
|  |
|  1 |  |  |  |  | 1 & T.P. 1 |
|  |
| TP1 |   |  |  |  | B.M. & T.P. 1 |
|  |
| 2 |  |  |  |  | 2 & T.P. 1 |
|  |
| Pt. A |  |  |  |  | 2 & Pt. A |
|  |
|  |  |  |  |  | T.P. 1 & Pt. A |
|  |
| Answers |  | Total Elevation Change | Total Distance B.M. & Pt. A |
|  |  |
| The initial backsight (BS) is taken to a point of known or assigned elevation |
| The backsight reading is added to the elevation of the known point to compute the height of the instrument (HI) |
| The level may be moved to a temporary point called a turning point (TP) |
| The elevation of a point is the height of the instrument (HI) minus the foresight (FS) |
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