## U.S. Geological Survey <br> Trigonometric Leveling <br> Traverse Form



| Setup \# | Description |  |
| :---: | :---: | :---: |
| Backsight point number | BS prism height (SH), in feet = |  |
| Station point number | Instrument height (HI), in feet = |  |
| Foresight point number | FS prism height (SH), in feet = |  |


| Point number | Instrument orientation | Vertical Difference, in ft | Horizontal distance, in ft | Section misclosure |
| :---: | :---: | :---: | :---: | :---: |
|  | BS direct-F1 |  |  | $\mathrm{VD} \text { (mark-to-mark) from point }$ |
|  | FS direct-F1 |  |  |  |
|  | FS reverse-F2 |  |  |  |
|  | BS reverse-F2 |  |  |  |
|  |  |  |  |  |
| HI | $-^{+}$ | $\frac{\mathrm{SH}_{(\mathrm{FS})}}{=}$ | ark-to-mark) |  |

Setup \# ___ Description

| Backsight point number |  | BS prism height (SH), in feet $=$ |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Station point number |  | Instrument height $(\mathrm{HI})$, in feet $=$ |  |  |
| Foresight point number |  | FS prism height (SH), in feet $=$ |  |  |


| Point number | Instrument orientation | Vertical Difference, in ft | Horizontal distance, in ft | Section misclosure |
| :---: | :---: | :---: | :---: | :---: |
|  | BS direct-F1 |  |  | VD (mark-to-mark) from point $\qquad$ to $\qquad$ <br> VD (mark-to-mark) from point $\qquad$ to $\qquad$ <br> Section misclosure, in $\mathrm{ft}=$ |
|  | FS direct-F1 |  |  |  |
|  | FS reverse-F2 |  |  |  |
|  | BS reverse-F2 |  |  |  |
|  | + | - |  |  |
| HI | VD | $\mathrm{SH}_{(\text {(FS })}$ | mark-to-mark) |  |

