Topography

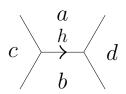
1. Which of these equations have integer solutions?

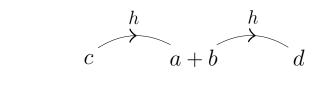
$$x^2 - 10y^2 = 6$$

$$x^2 - 10y^2 = 3$$

$$x^2 - 10y^2 = 3 9x^2 - 11y^2 = 1$$

2. Use the arithmetic progression rule to explore these topographs. Find any wells, rivers, and lakes.







$$\begin{array}{c|c} -13 \\ \hline -36 & -6 \end{array}$$