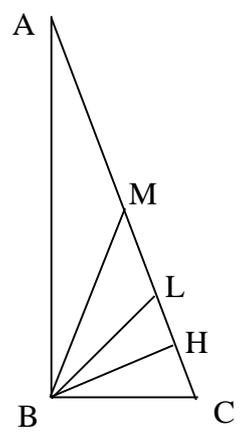


1. $2^2 = 4$, $12^2 = 144$, $14^2 = 196$.
 $15^2 = 225$, $18^2 = 324$.
 $1^2 = 1$, $3^2 = 9$, $2^2 = 4$, $6^2 = 36$, $3^2 = 9$.
 $3^2 = 9$, $4^2 = 16$, $6^2 = 36$, $4^2 = 16$.
 -1 .

2. $\triangle ABC$ B BH , BL
 BM . $\angle LBM = \angle HBL$.
 $\angle CAB \leq 45^\circ$. $\angle CAB = \dots$ $\angle ACB = 90^\circ - \dots$
 1) $\triangle BHC$ $\angle CBH = 90^\circ - \angle HCB = 90^\circ - (90^\circ - \dots) = \dots$ $\angle CBL = 45^\circ$ ($BL \perp AC$)
 $\angle CBH = \dots \leq 45^\circ = \angle CBL$, H
 CL (\dots) $\angle HBL = \angle BL - \angle BH = 45^\circ - \dots$
 2) $AM = CM = BM$ (M is midpoint of AC) $\Rightarrow \triangle AMB$
 $\triangle BMC$ $\Rightarrow \angle MBA = \angle MAB = \dots$ $\angle LBA = 45^\circ$ ($BL \perp AC$)
 $\angle ABM = \dots \leq 45^\circ = \angle ABL$, M
 AL (\dots) $\angle LBM = \angle LBA - \angle MBA = 45^\circ - \dots$
 $\angle HBL = \angle LBM = 45^\circ - \dots$
 $\angle CAB > 45^\circ$
 A C .
 M, L, H , B C



3. $2^2 = 4$, $1000 = 10^3$, $1500 = 1.5 \times 10^3$.
 $1000 = 2 \cdot (V - V)$, $V = 1000 / 2 = 500$.
 $2000 = 2 \cdot V$, $V = 1000$.
 $V = 1500 / 2 = 750$.

4. $10^2 = 100$, $65^2 = 4225$.
 $4 \cdot 4 = 16$, $5^2 = 25$.
 \Rightarrow
 $3, 3, 7$, $1, 3, 5$;
 $-2, 4, 6, 8, 10, 12, 14$. $= 65$.
 $5, 16$.
 $4 - 2 = 2$, 1 .
 4 (\dots) -1 .
 $3, -1$.

