

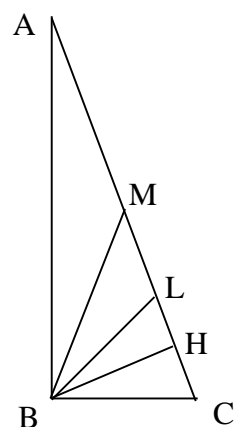
1.  $2^2 = 4$ ,  $12^2 = 144$ ,  $14^2 = 196$ .  
 $15^2 = 225$ ,  $18^2 = 324$ .  
 $1^2 = 1$ ,  $3^2 = 9$ ,  $2^2 = 4$ ,  $6^2 = 36$ ,  $3^2 = 9$ .  
 $3^2 = 9$ ,  $4^2 = 16$ ,  $6^2 = 36$ ,  $4^2 = 16$ .  
 $-1$ .

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)  $\triangle BHC$   $\angle CBH = 90^\circ - \angle HCB = 90^\circ - (90^\circ - \dots) = \dots$   $\angle CBL = 45^\circ$  ( $BL \perp AC$ )  
 $\angle CBH = \dots \leq 45^\circ = \angle CBL$ ,  $H$   
 $CL$  ( $\dots$ )  $\angle HBL = \angle CBL - \angle CBH = 45^\circ - \dots$ .

2)  $AM = CM = BM$  ( $M$  is midpoint of  $AC$ )  $\Rightarrow \triangle AMB$   
 $\triangle BMC$   $\Rightarrow \angle MBA = \angle MAB = \dots$   $\angle LBA = 45^\circ$  ( $BL \perp AC$ )  
 $\angle ABM = \dots \leq 45^\circ = \angle ABL$ ,  $M$   
 $AL$  ( $\dots$ )  $\angle LBM = \angle LBA - \angle MBA = 45^\circ - \dots$ .

$\angle CAB > 45^\circ$ ,  $\angle HBL = \angle LBM = 45^\circ - \dots$ .  
 $A$   $C$ .  
 $M, L, H$ ,  $B$   $C$



3.  $1000 = 2 \cdot V$ ,  $1500 = 2 \cdot V$ .  
 $1000 = 2 \cdot (V - V)$ ,  $V = 1000 / 2 = 500$ .  
 $2000 = 2 \cdot V$ ,  $V = 1000$ .  
 $V = 1500 / 2 = 750$ .

4.  $10$   $5$   $65$ .  
 $4 \cdot 4 = 16$ ,  $5 \Rightarrow \dots$   
 $-2, 4, 6, 8, 10, 12, 14$ .  $= 65$ .  
 $5$ ,  $16$ ,  $3$ ,  $3$ ,  $7$ ,  $1, 3, 5$ ;

$4 - 2 = 2$ ,  $1$ .  
 $-1$ ,  $3$ ,  $4$  ( $\dots$ )  $-1$ .

5. - 21.

\_\_\_\_\_.

A, D, E

24

7

6+5+4+3+2=20

\_\_\_\_\_.

8      -3      ).

A,

8

A, B, C

21.

6.

7

8,

5

-4

7.

(

-3