

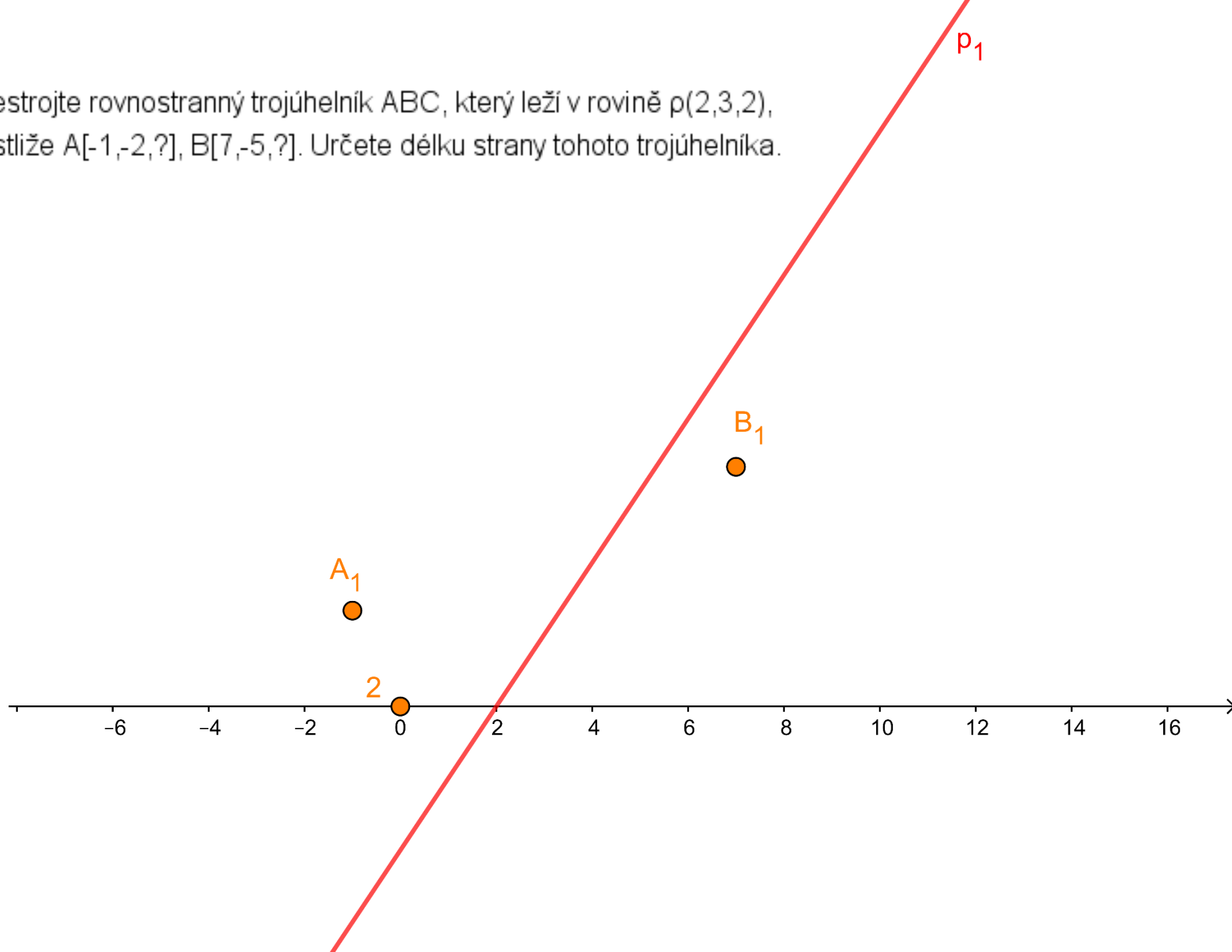
Deskriptivní geometrie

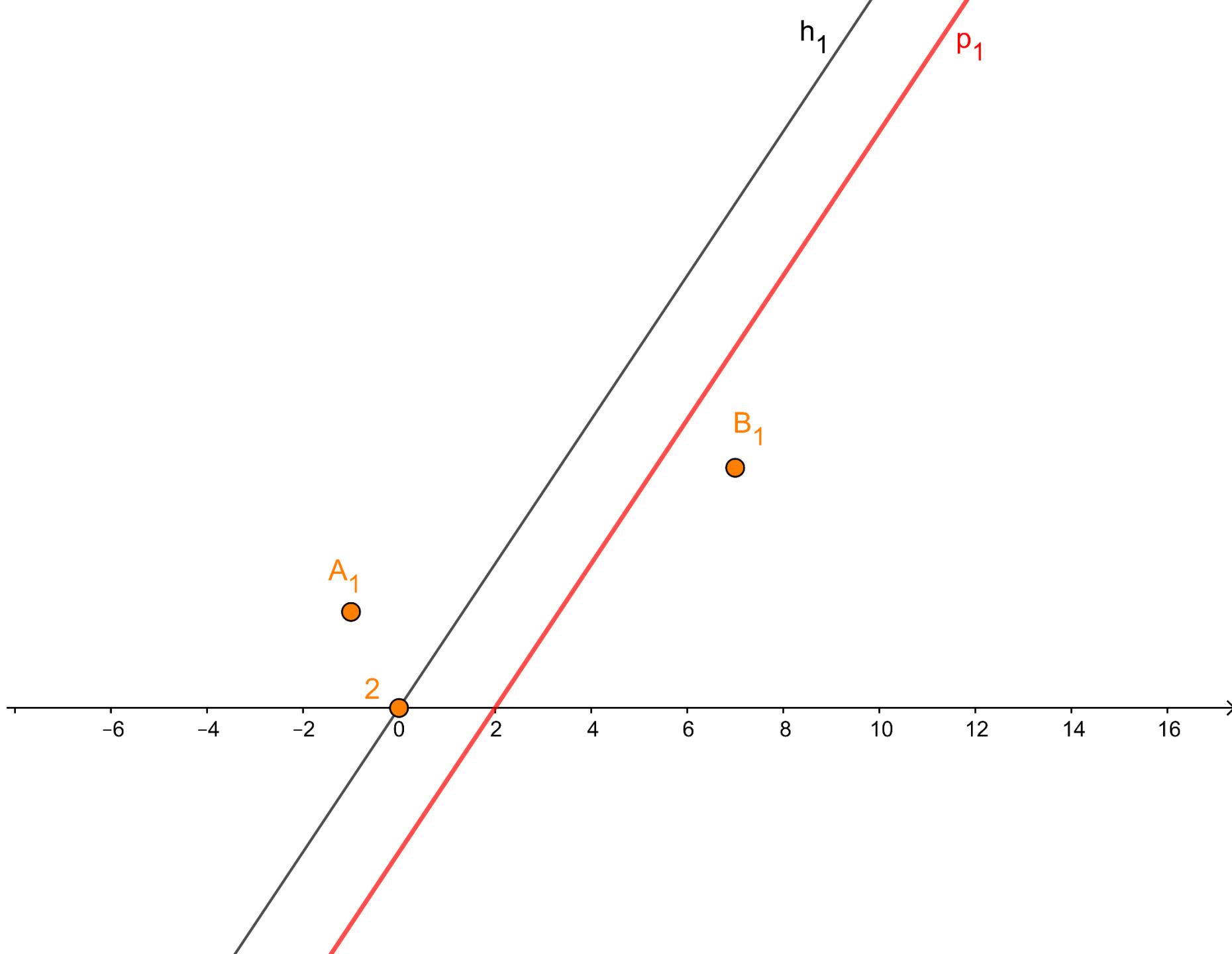
Trojúhelník v rovině

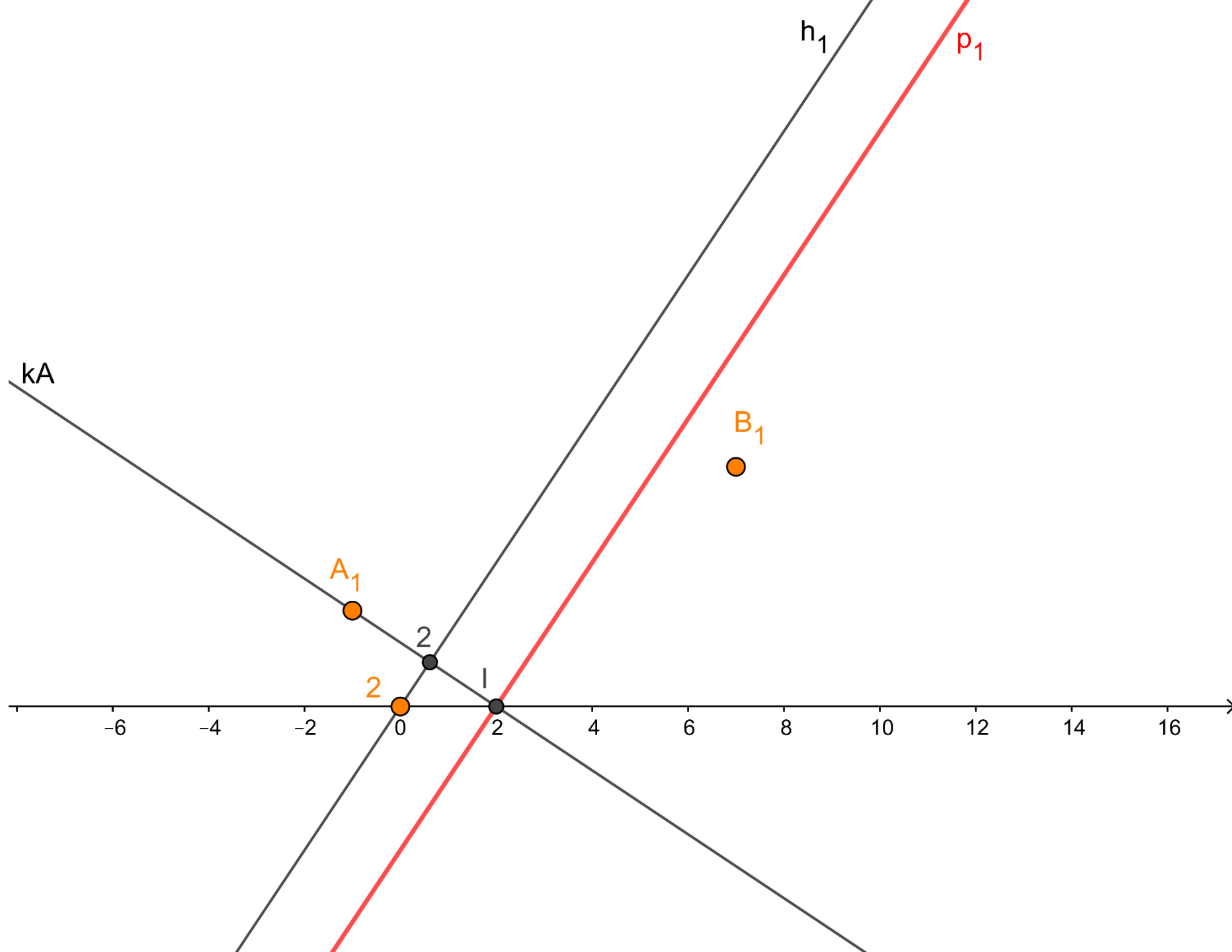
Průsečík přímky s jehlanem

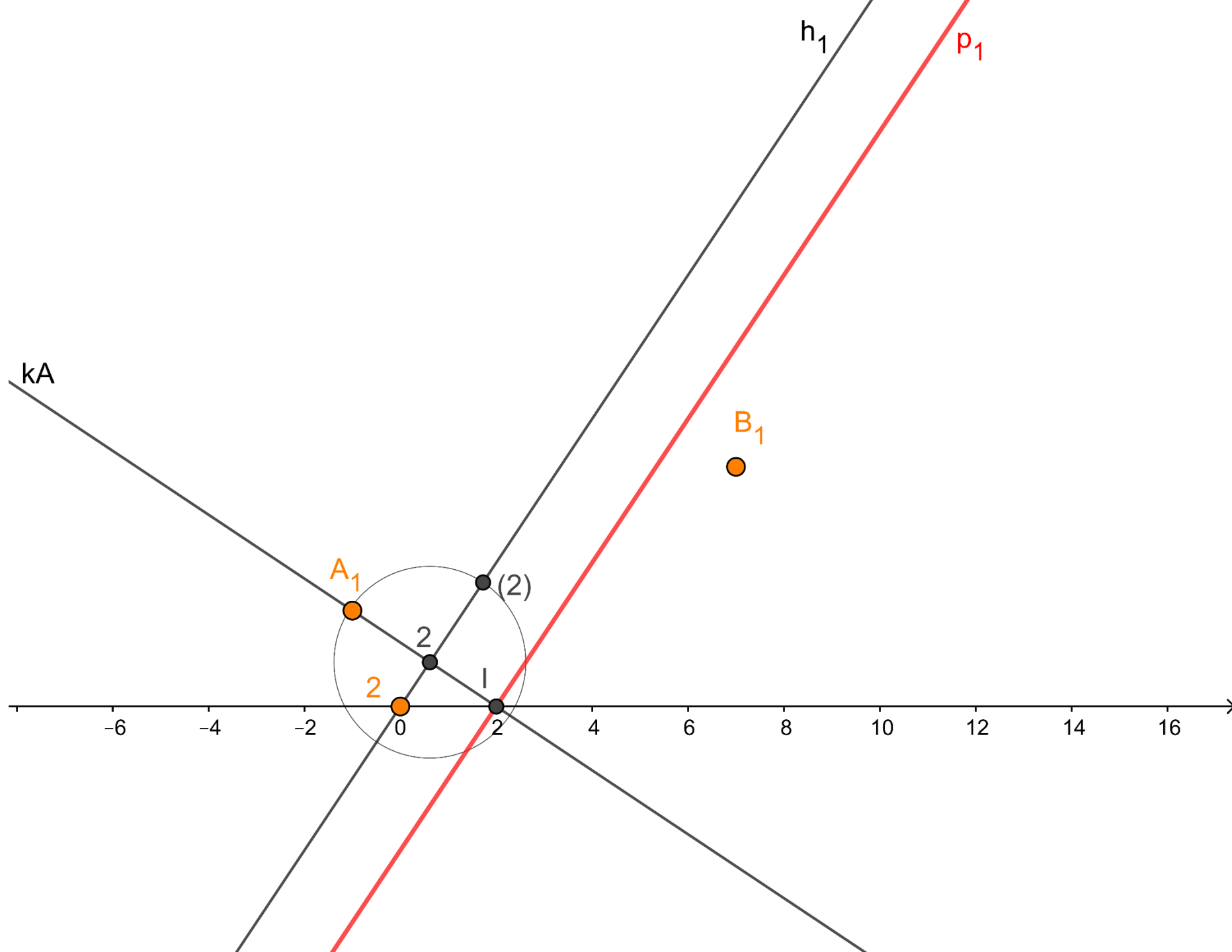
Řez hranolu rovinou

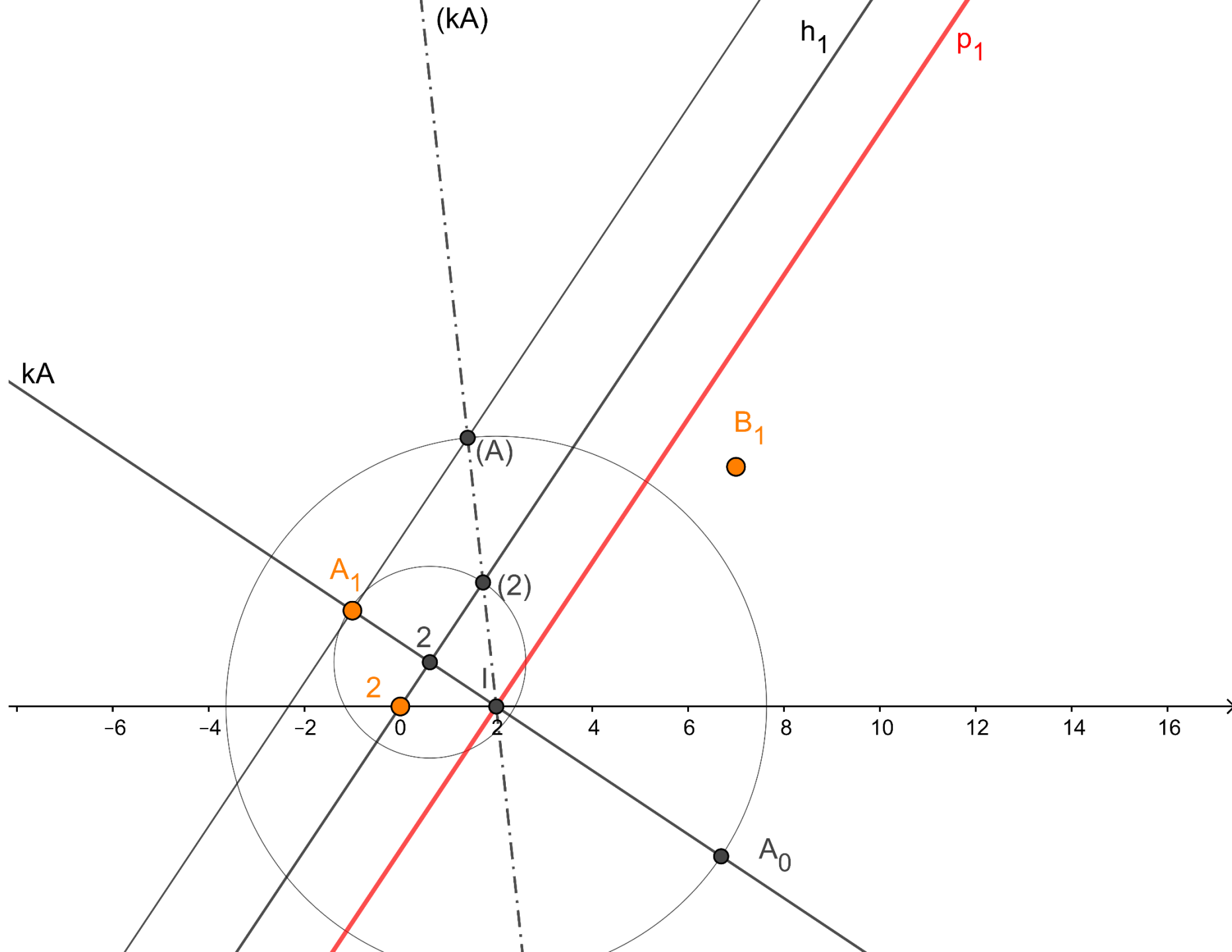
Sestrojte rovnostranný trojúhelník ABC, který leží v rovině $p(2,3,2)$,
jestliže $A[-1,-2,?]$, $B[7,-5,?]$. Určete délku strany tohoto trojúhelníka.

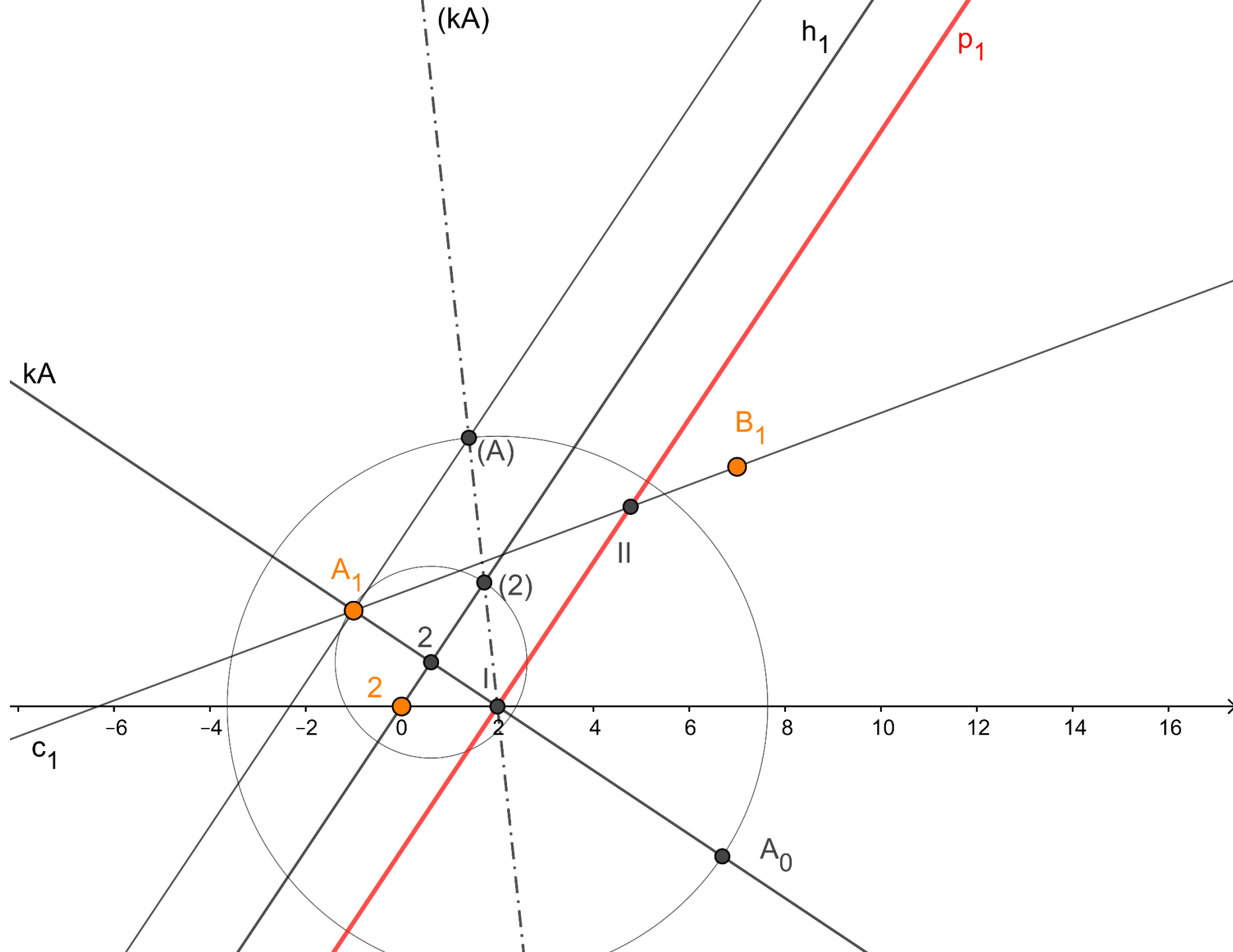


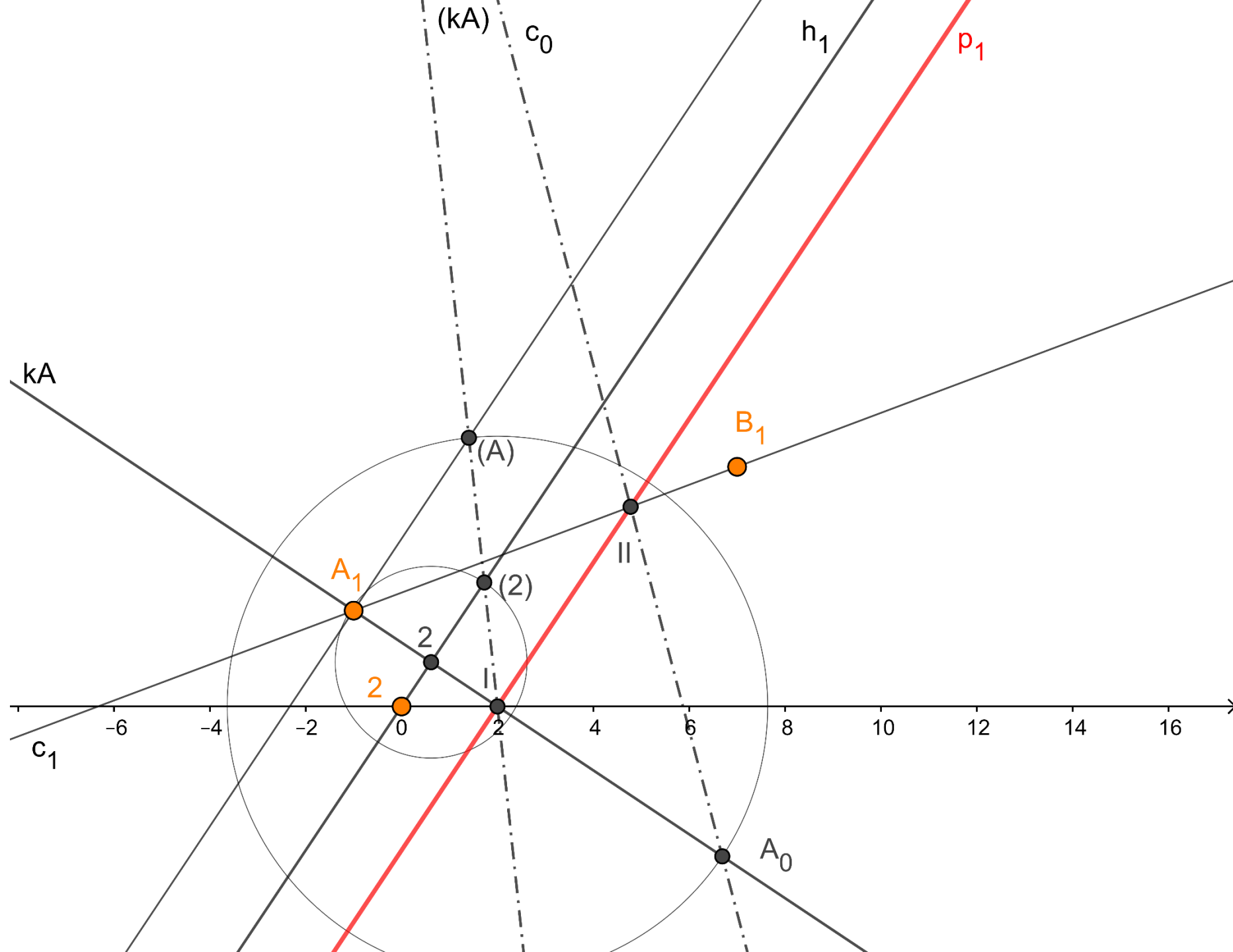


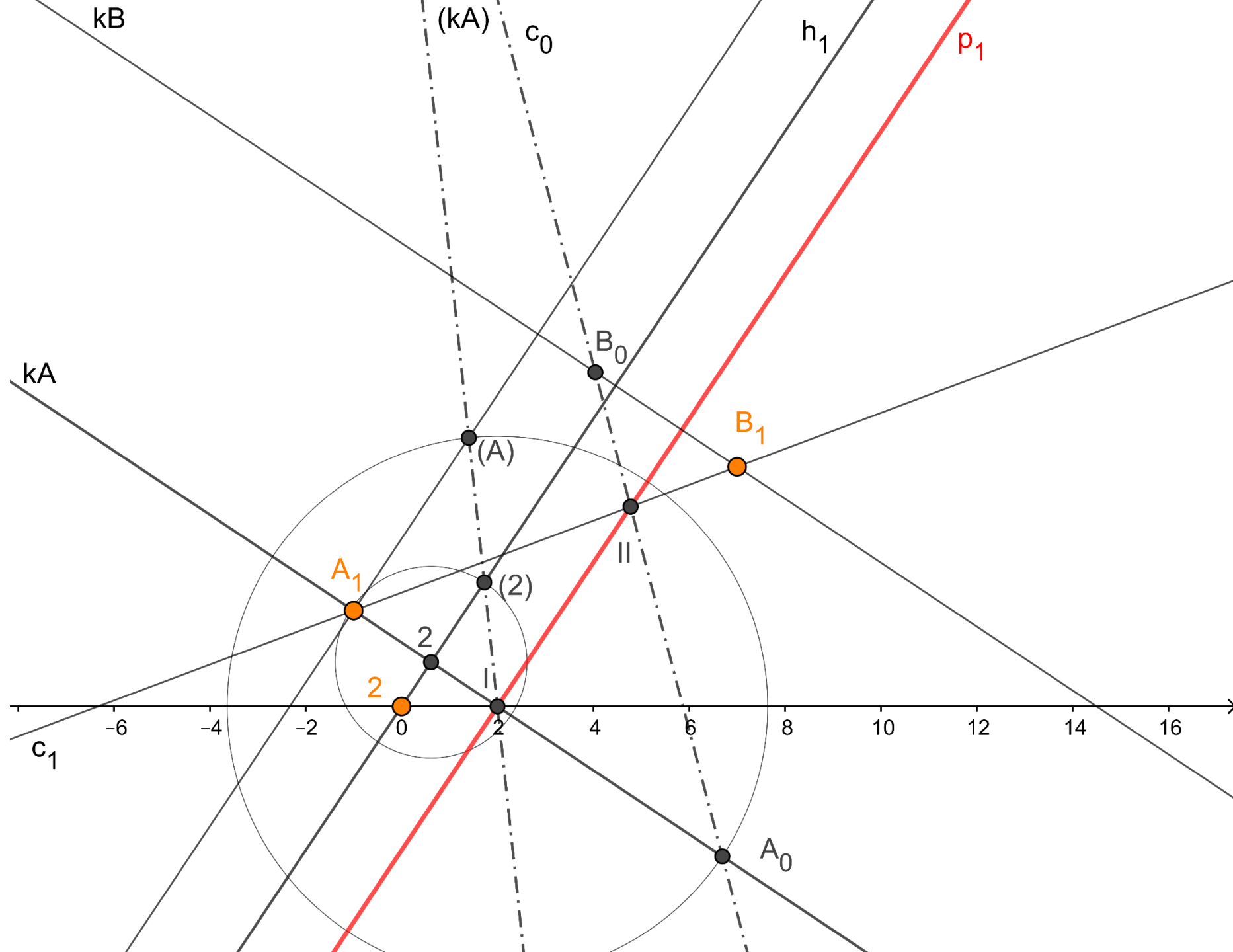


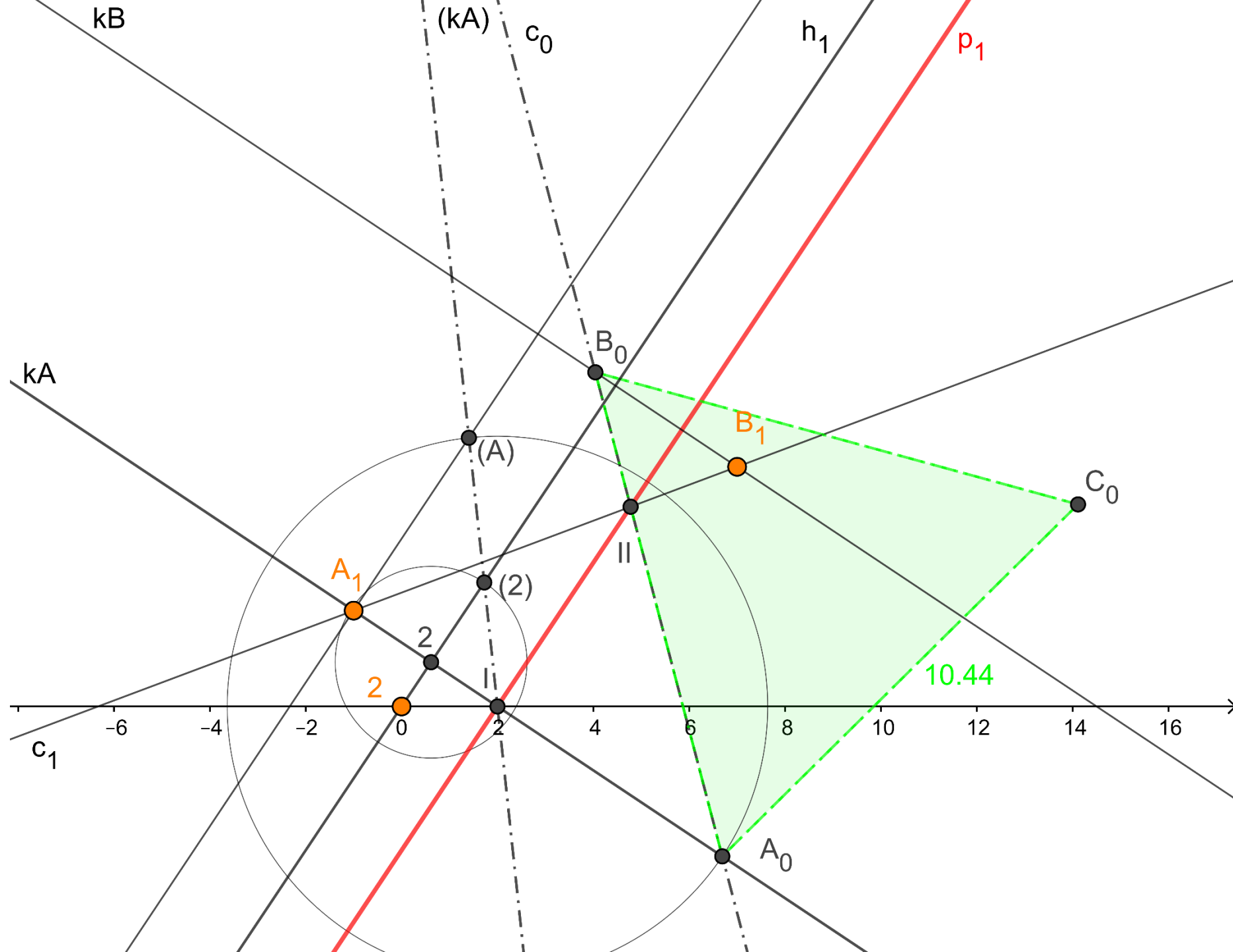


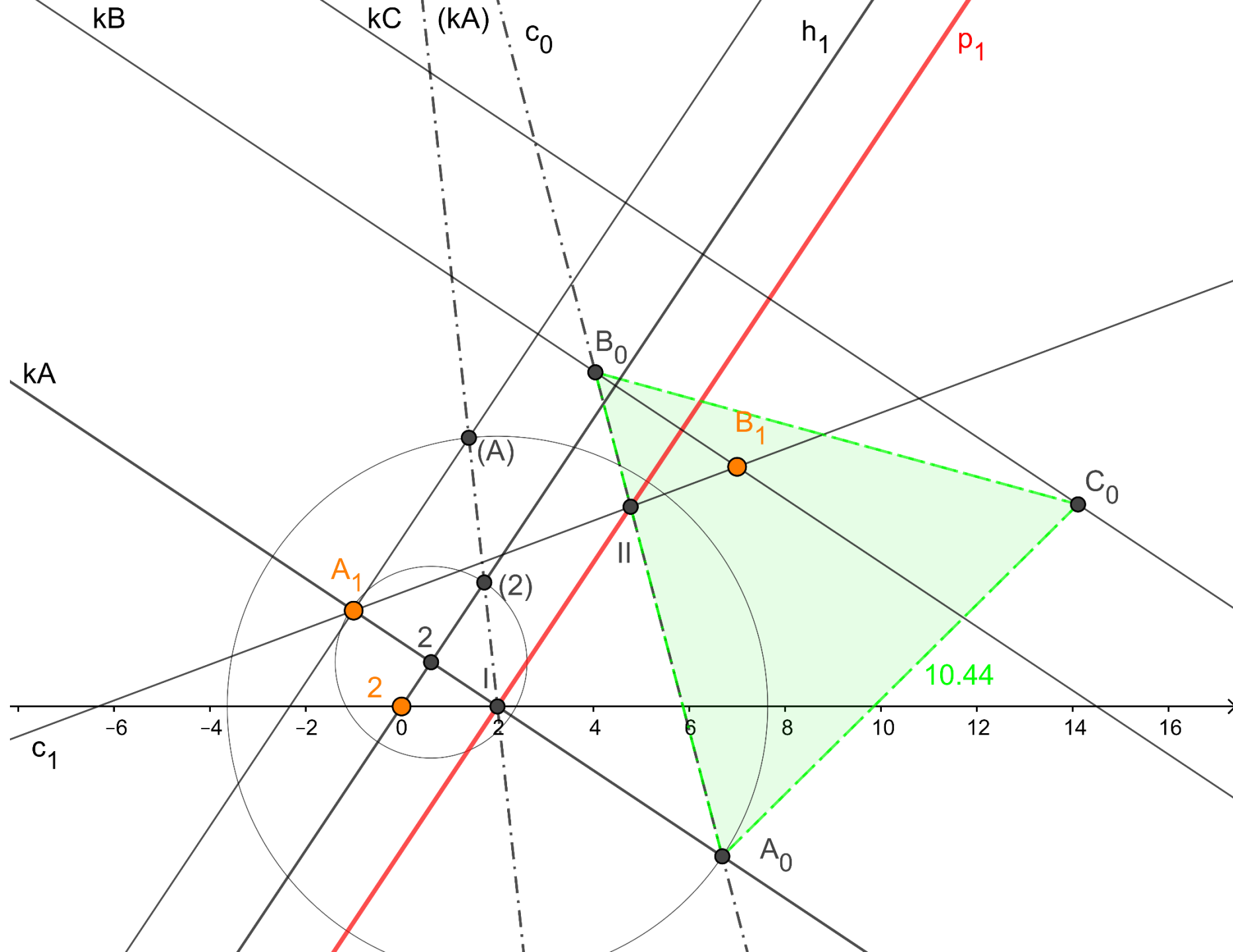


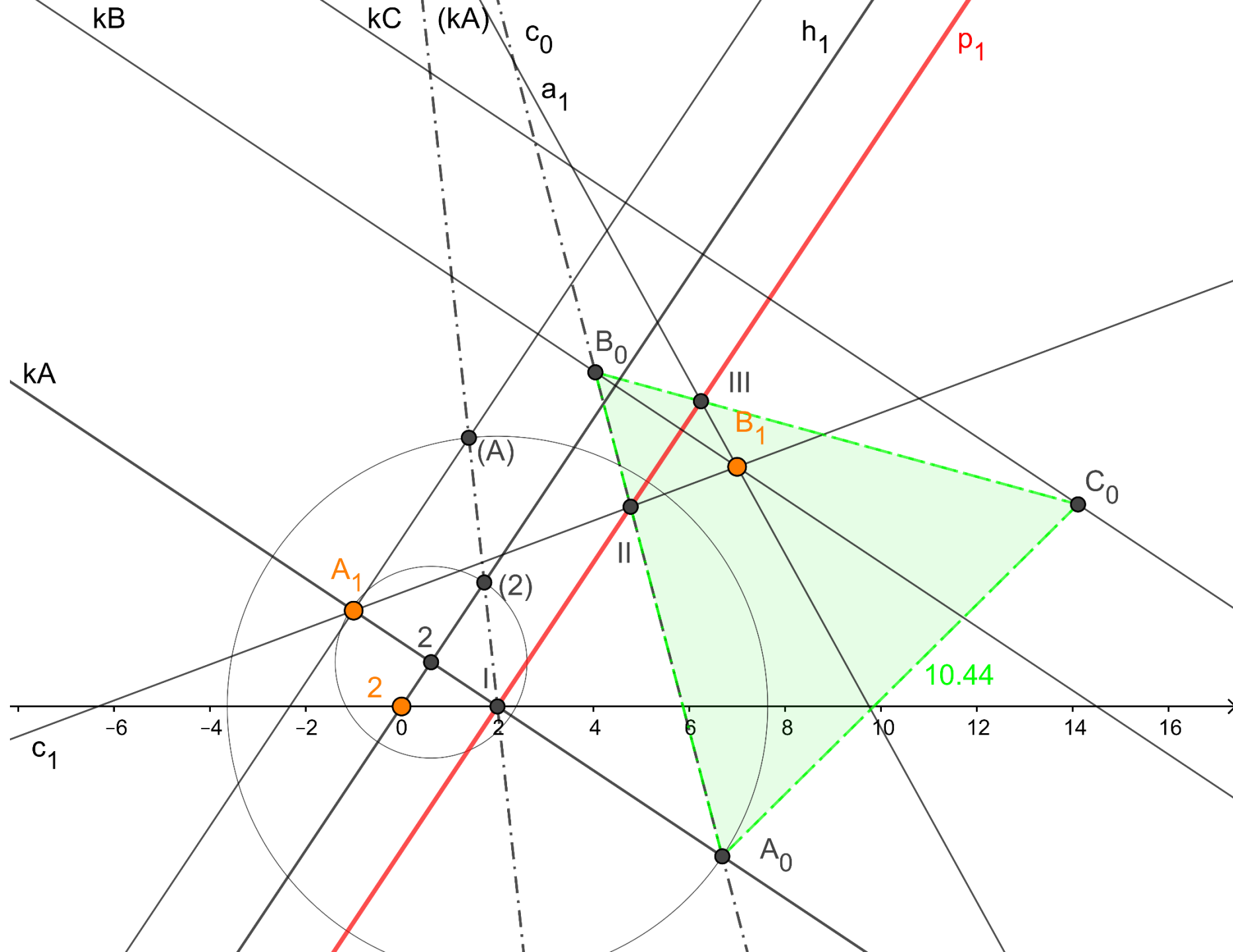


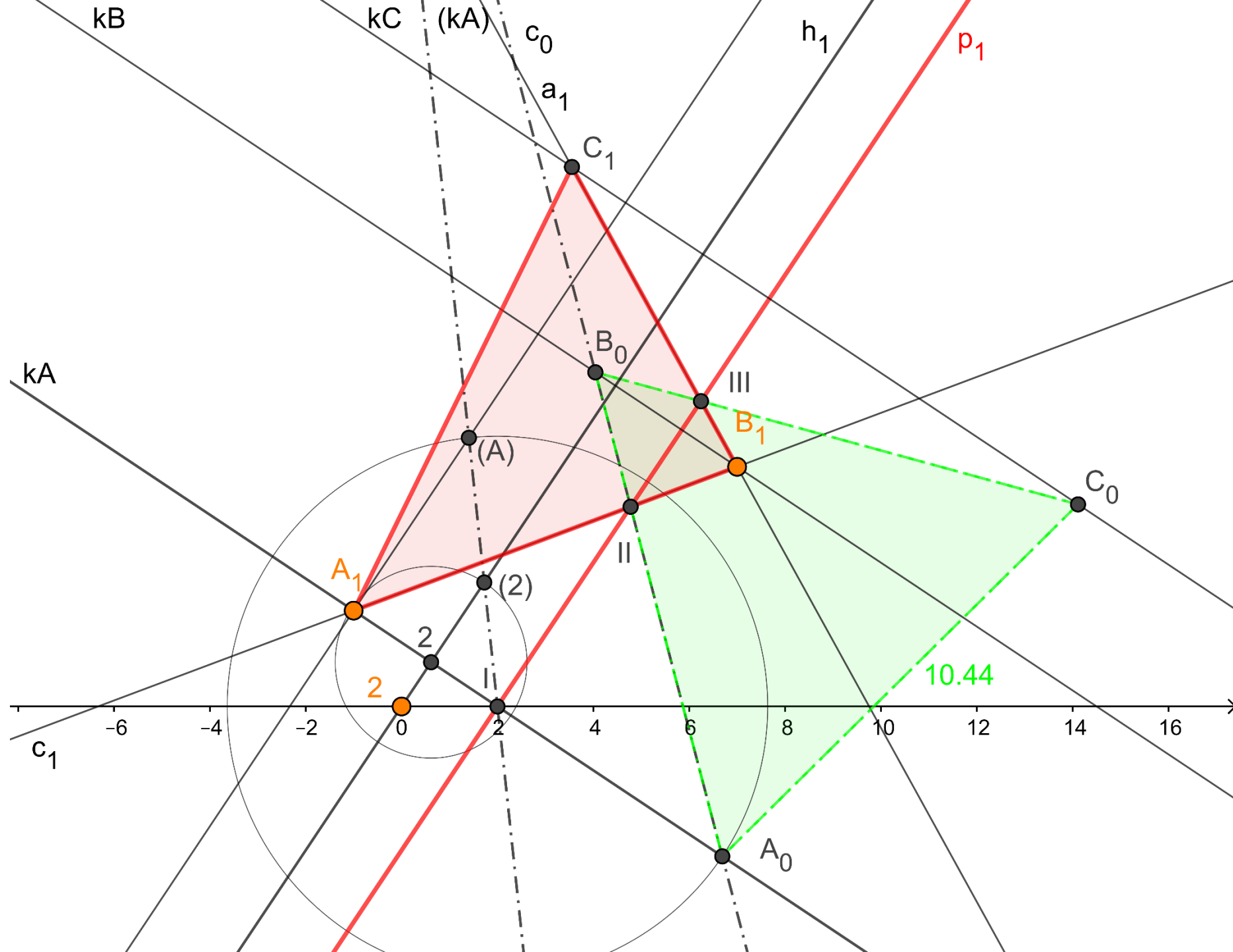


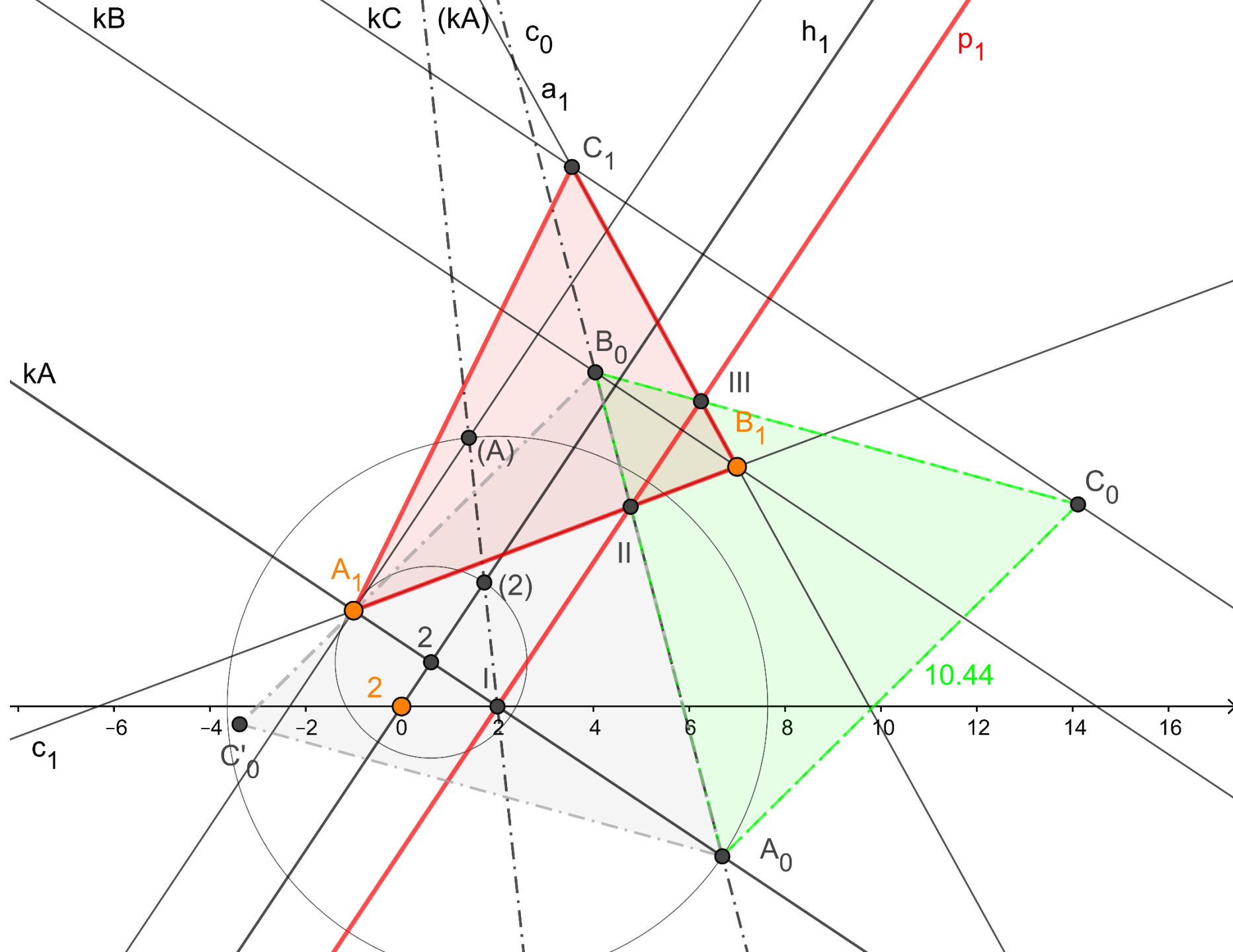


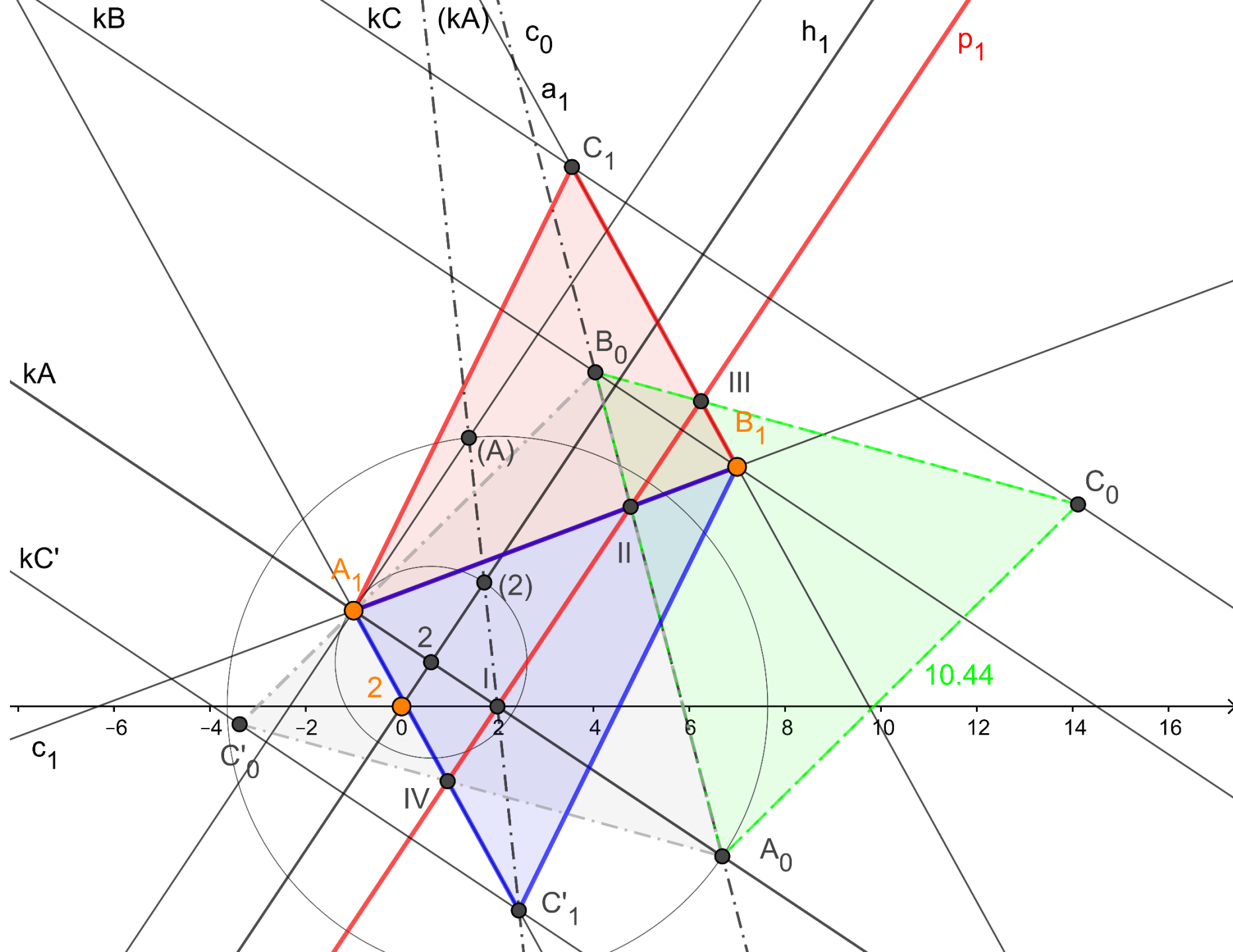




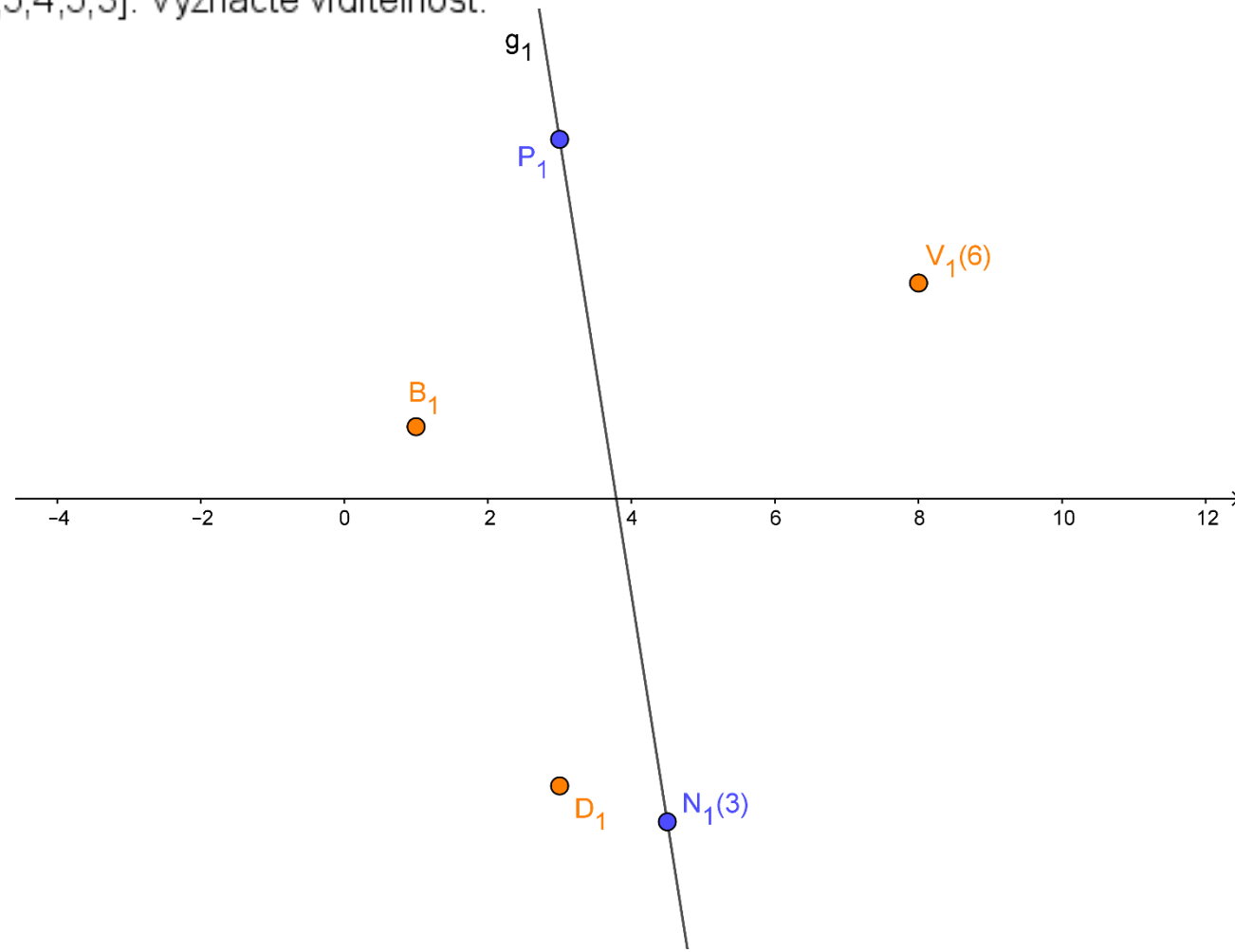


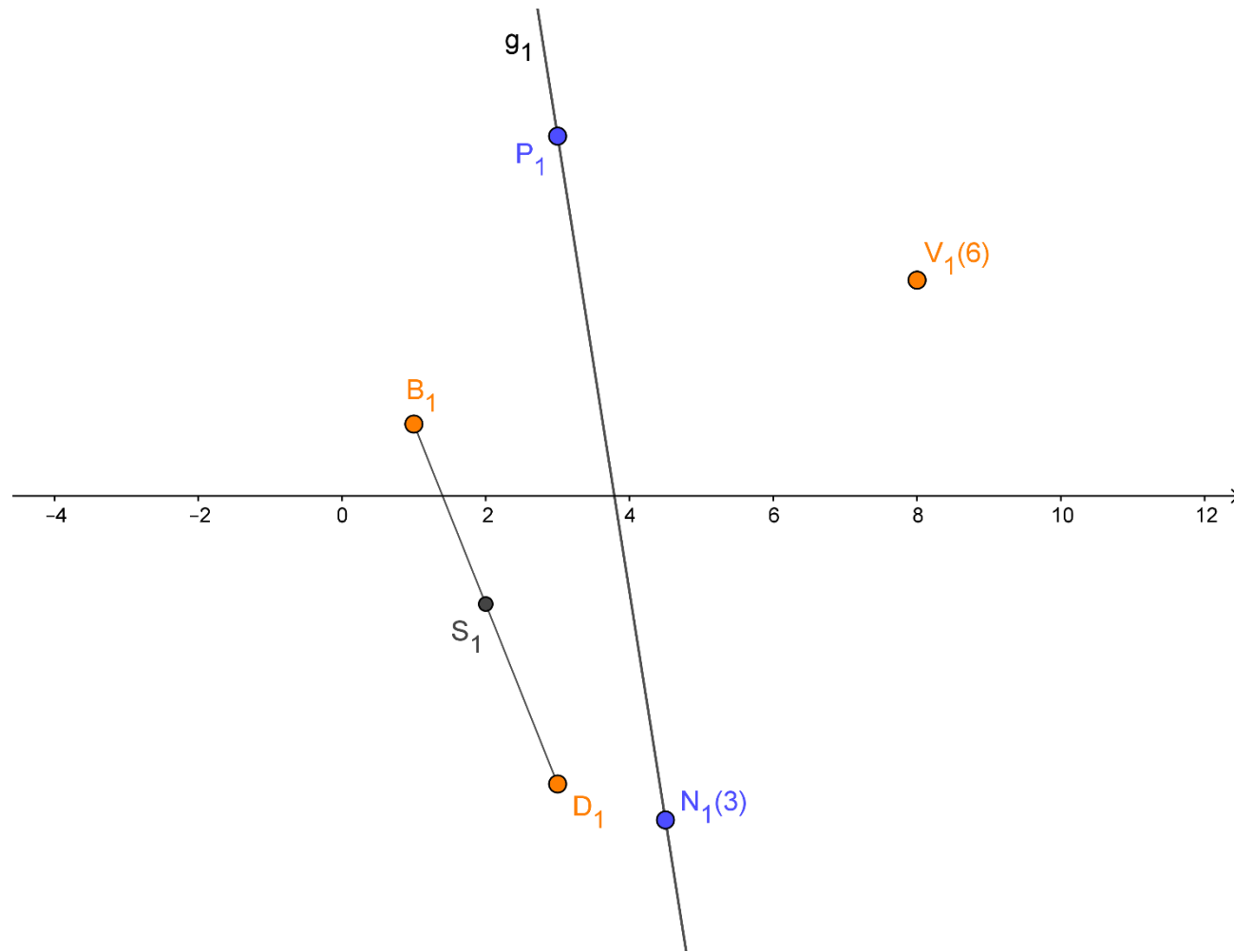


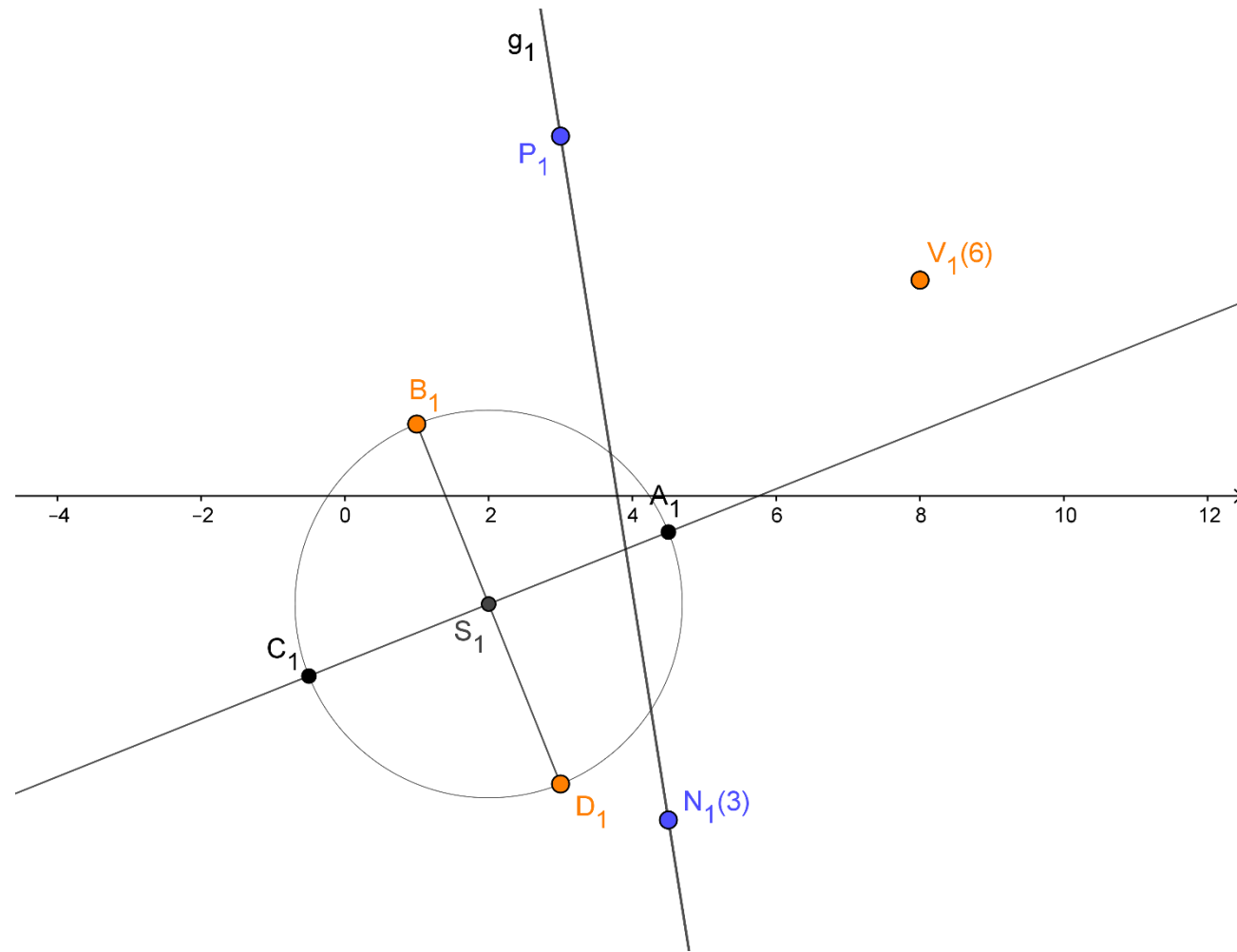


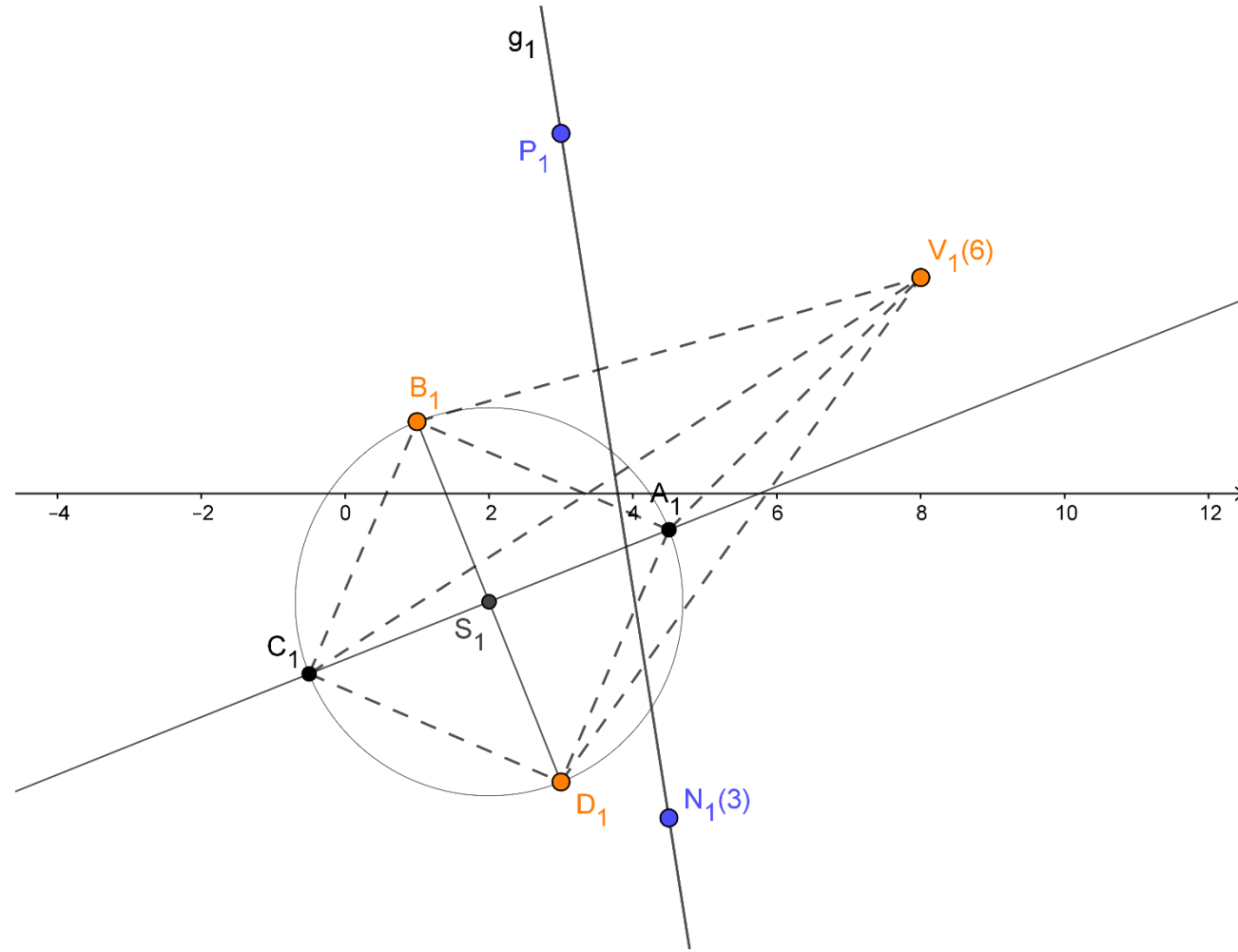


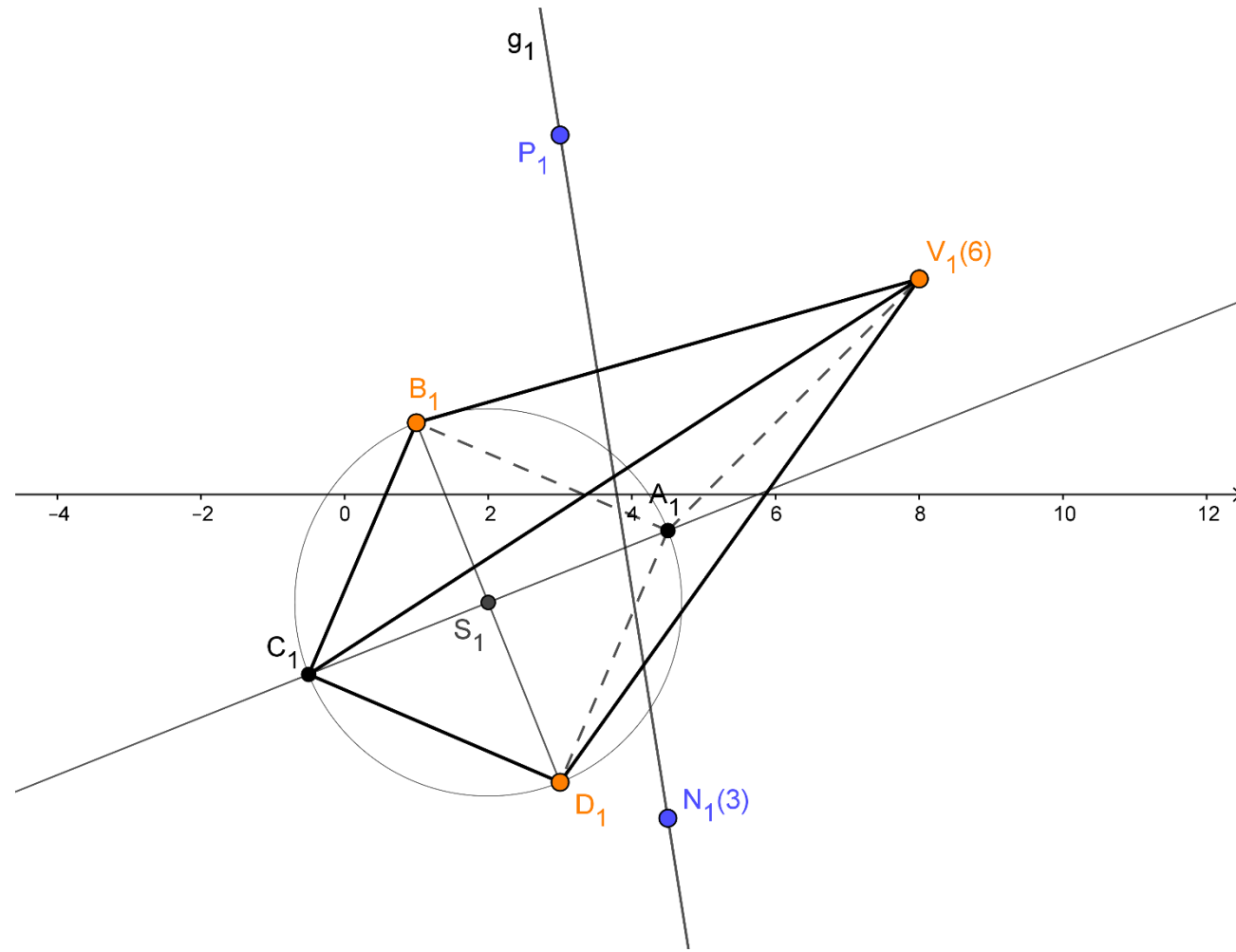
Nalezněte průsečíky přímky $g=PN$ s jehlanem. Podstavou jehlanu je čtverec v půdorysně s úhlopříčkou $B[1,-1,0]$, $D[3,4,0]$, vrchol má souřadnice $V[8,-3,6]$. Přímka prochází body $P[3,-5,0]$, $N[4,5;4,5;3]$. Vyznačte viditelnost.

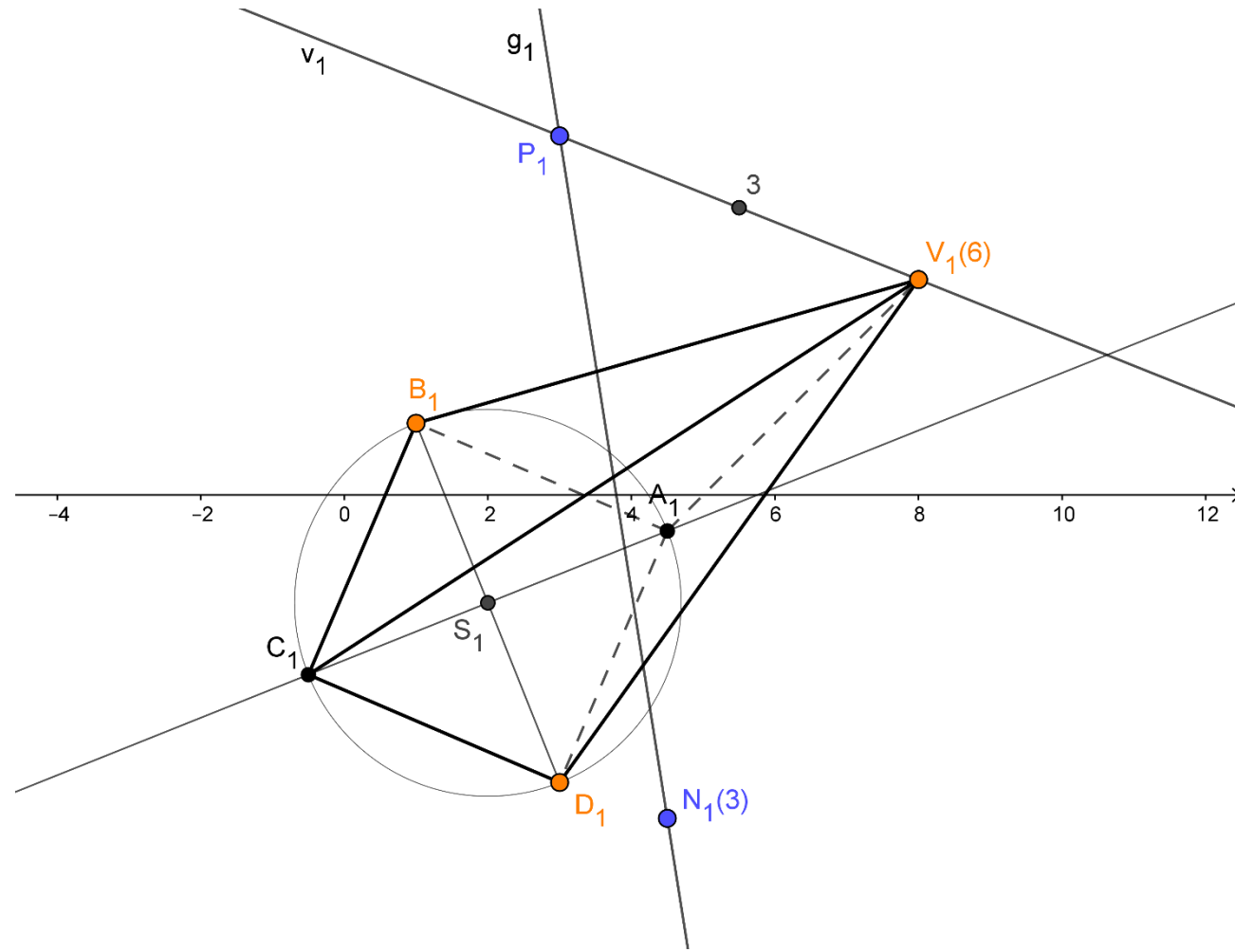


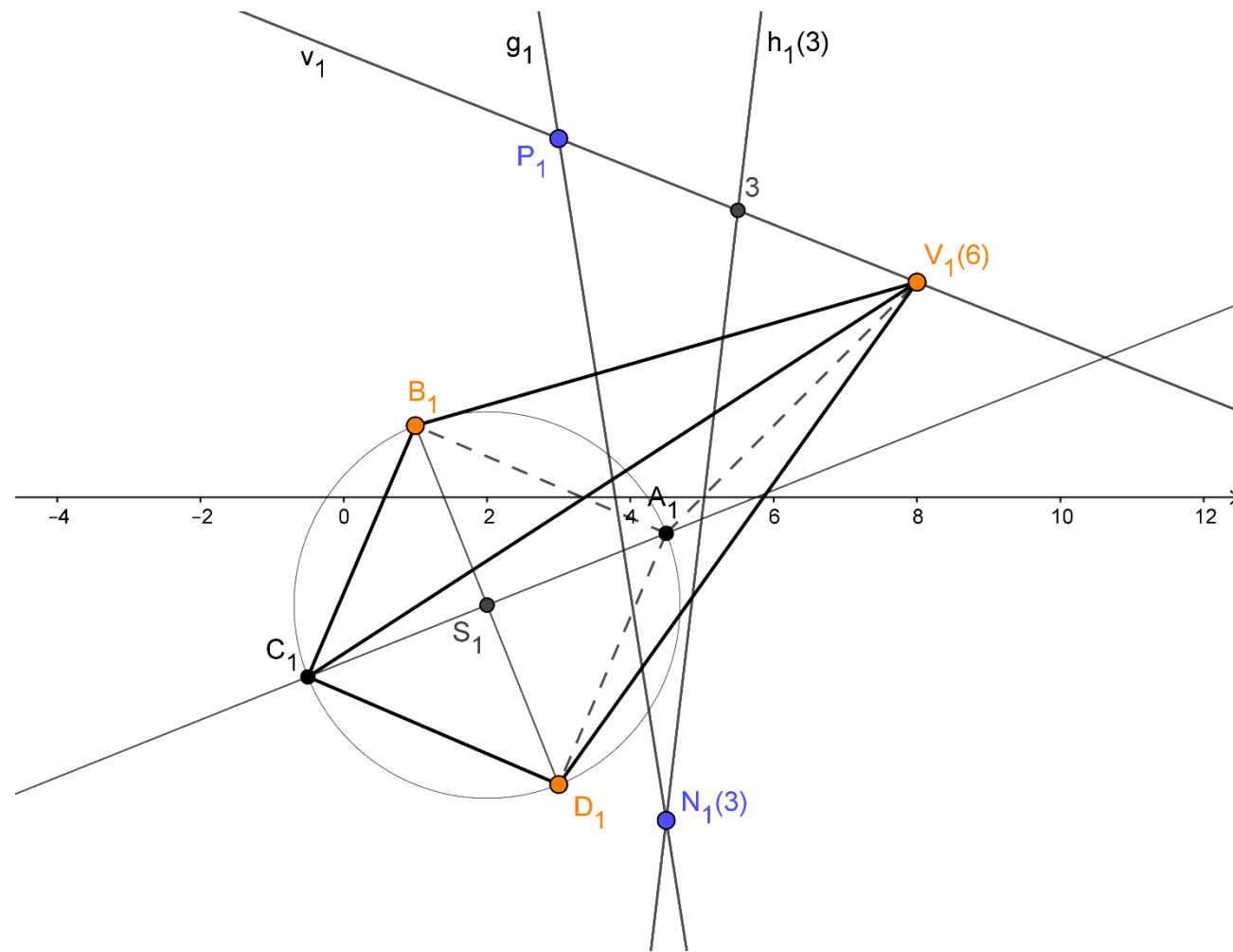


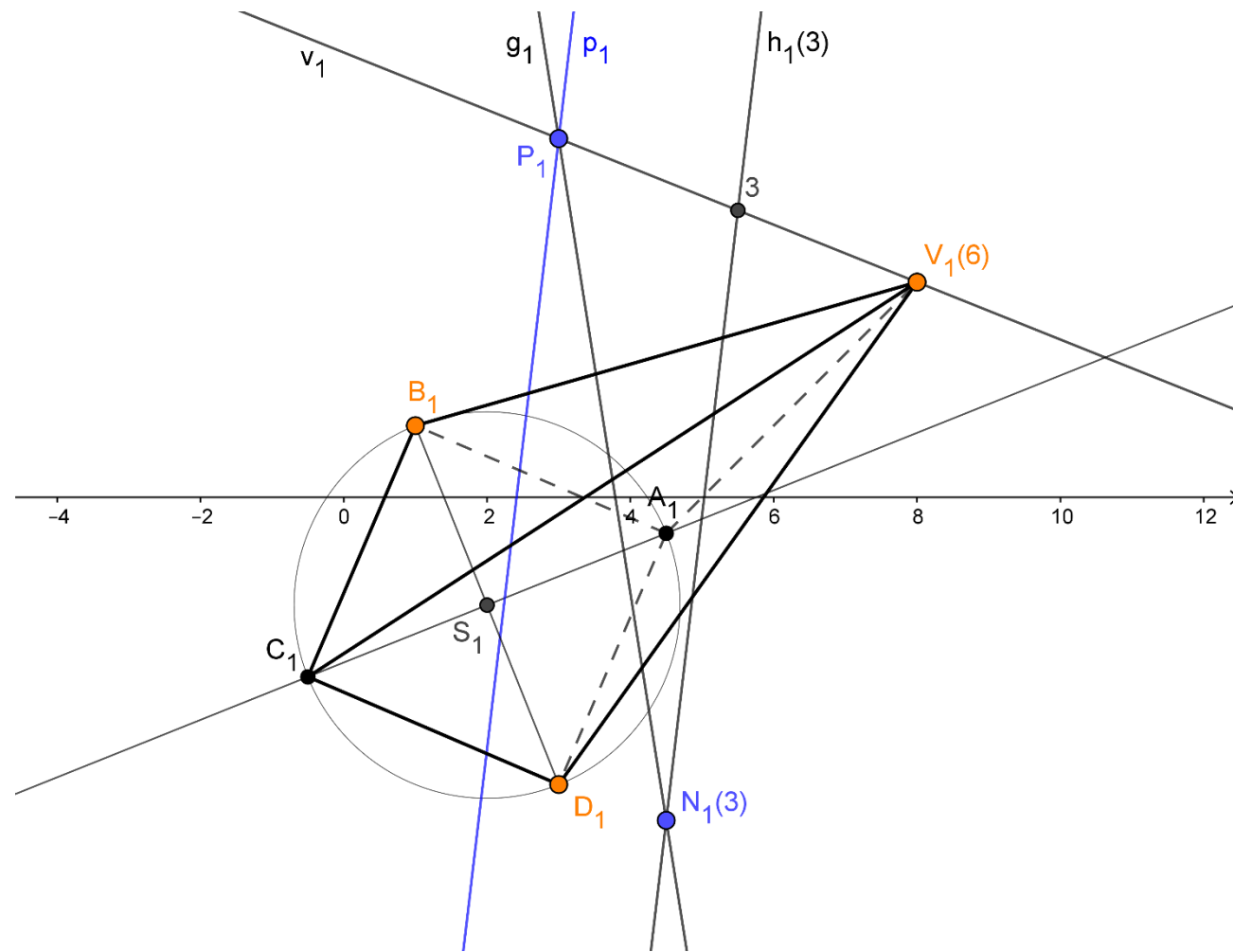


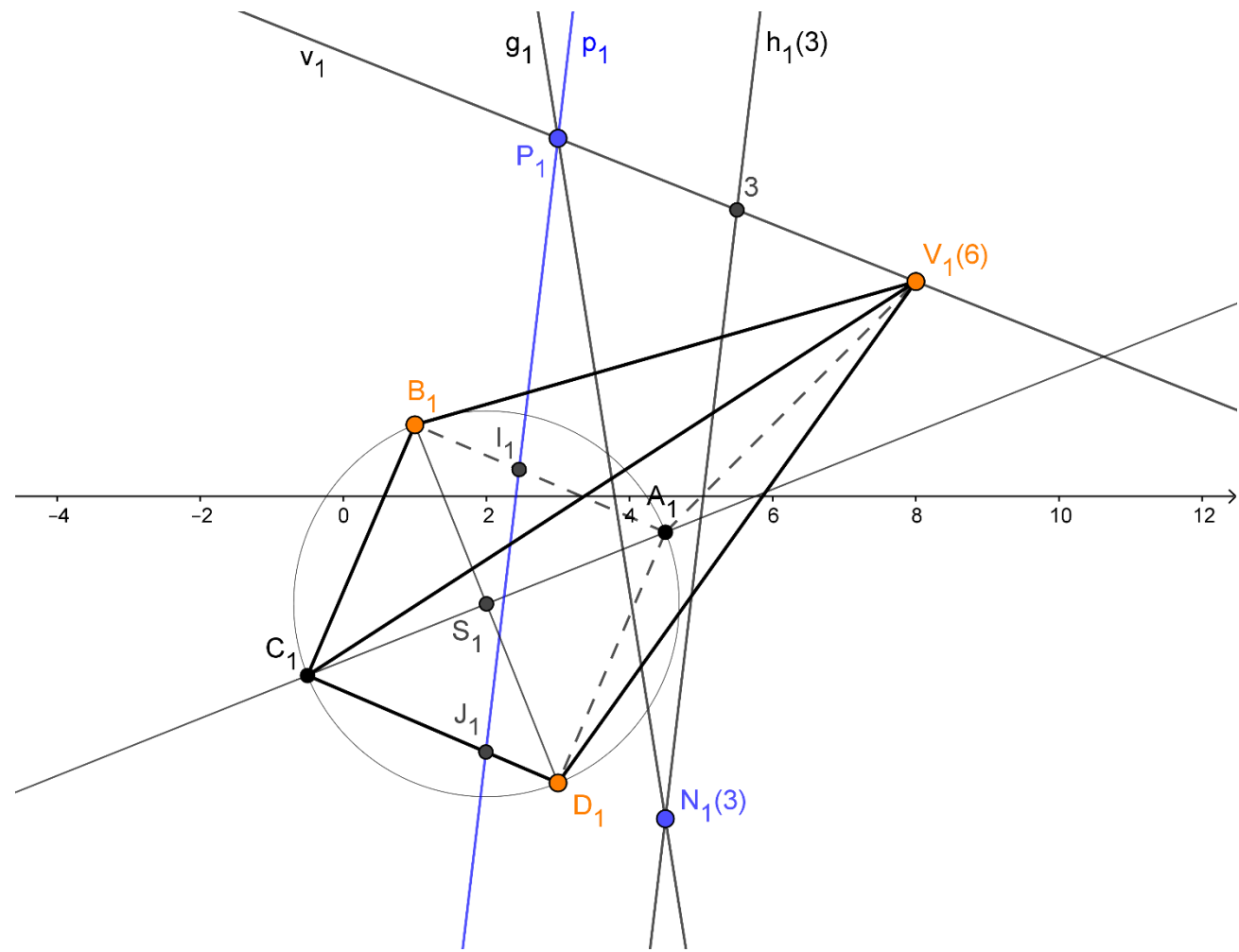


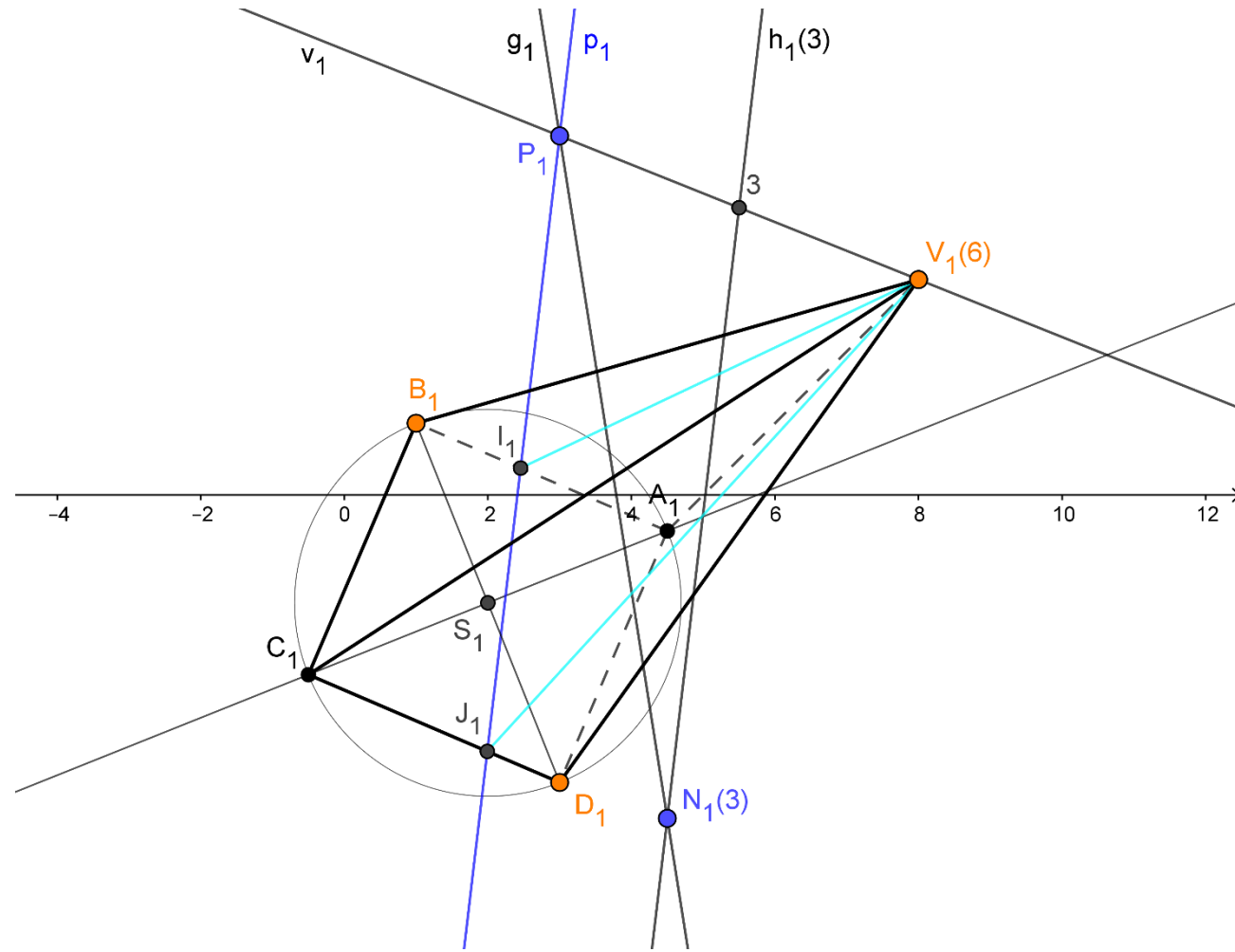


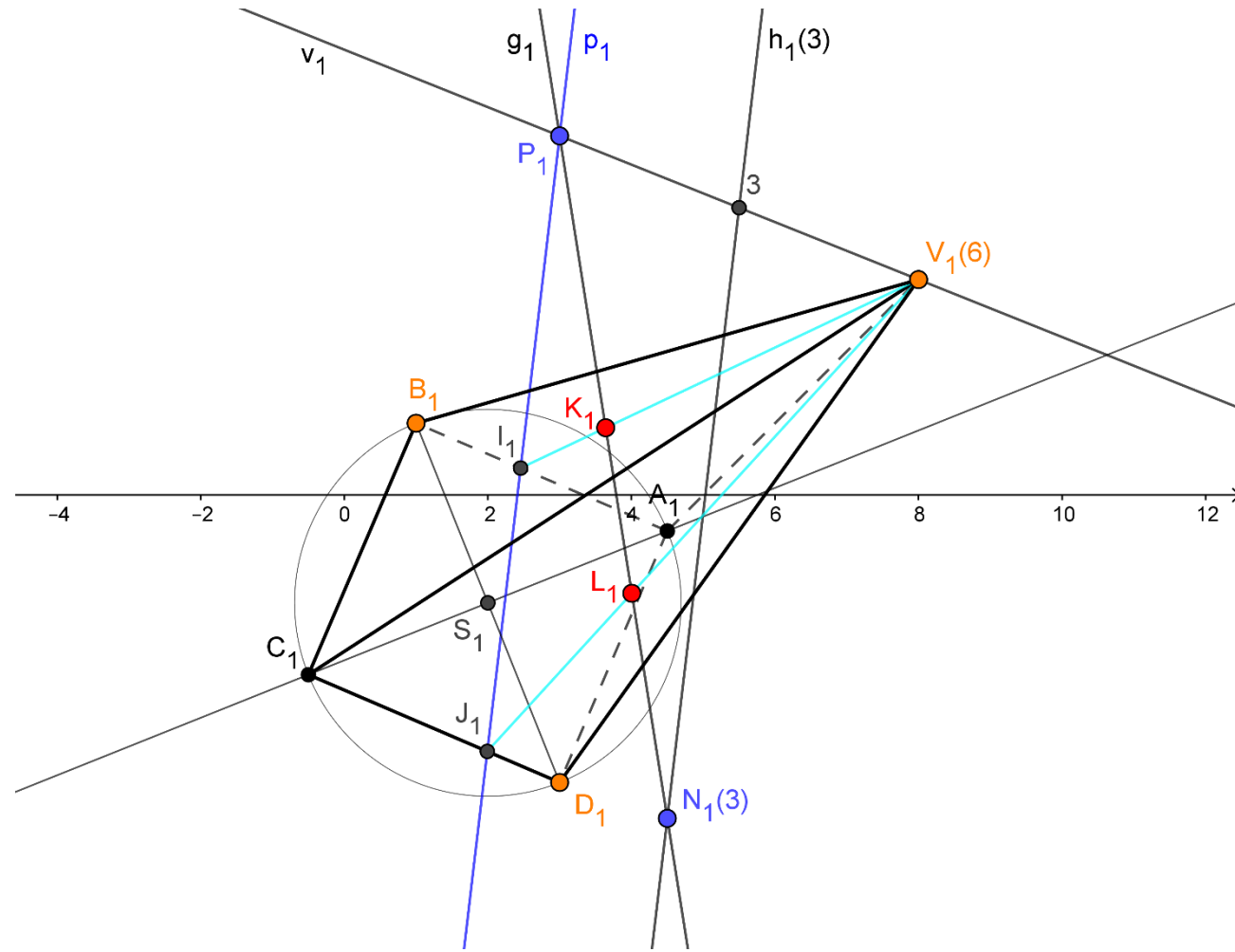


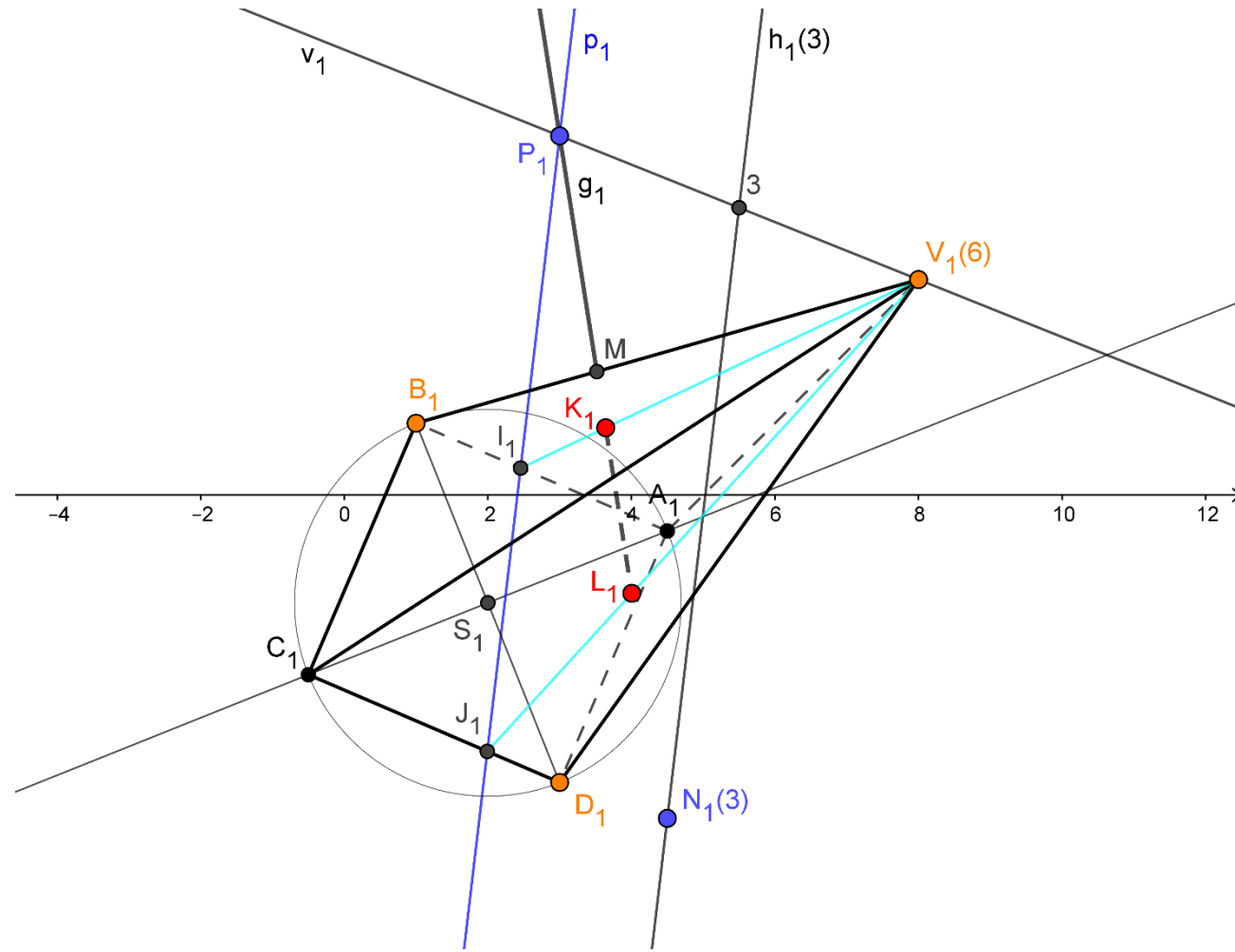


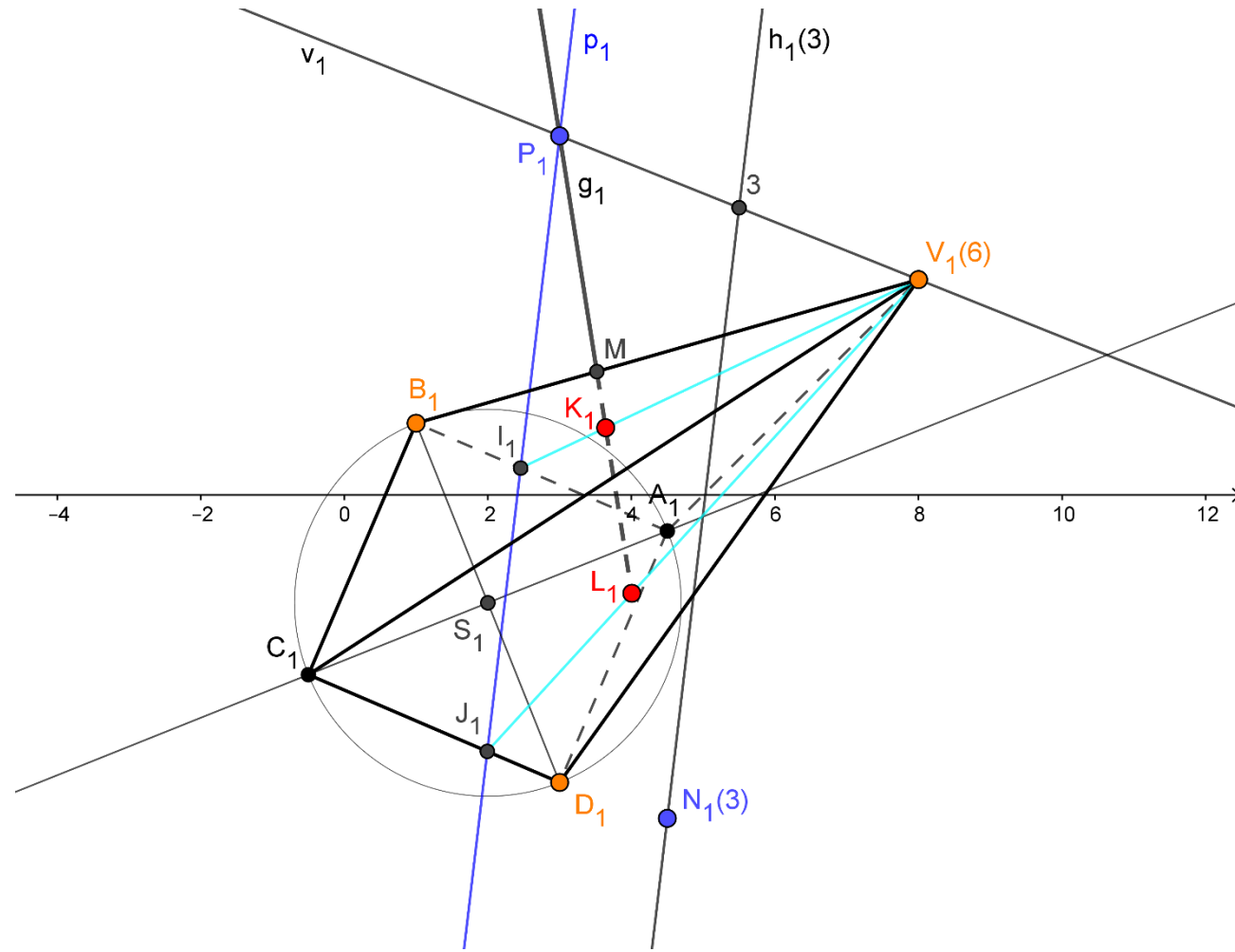


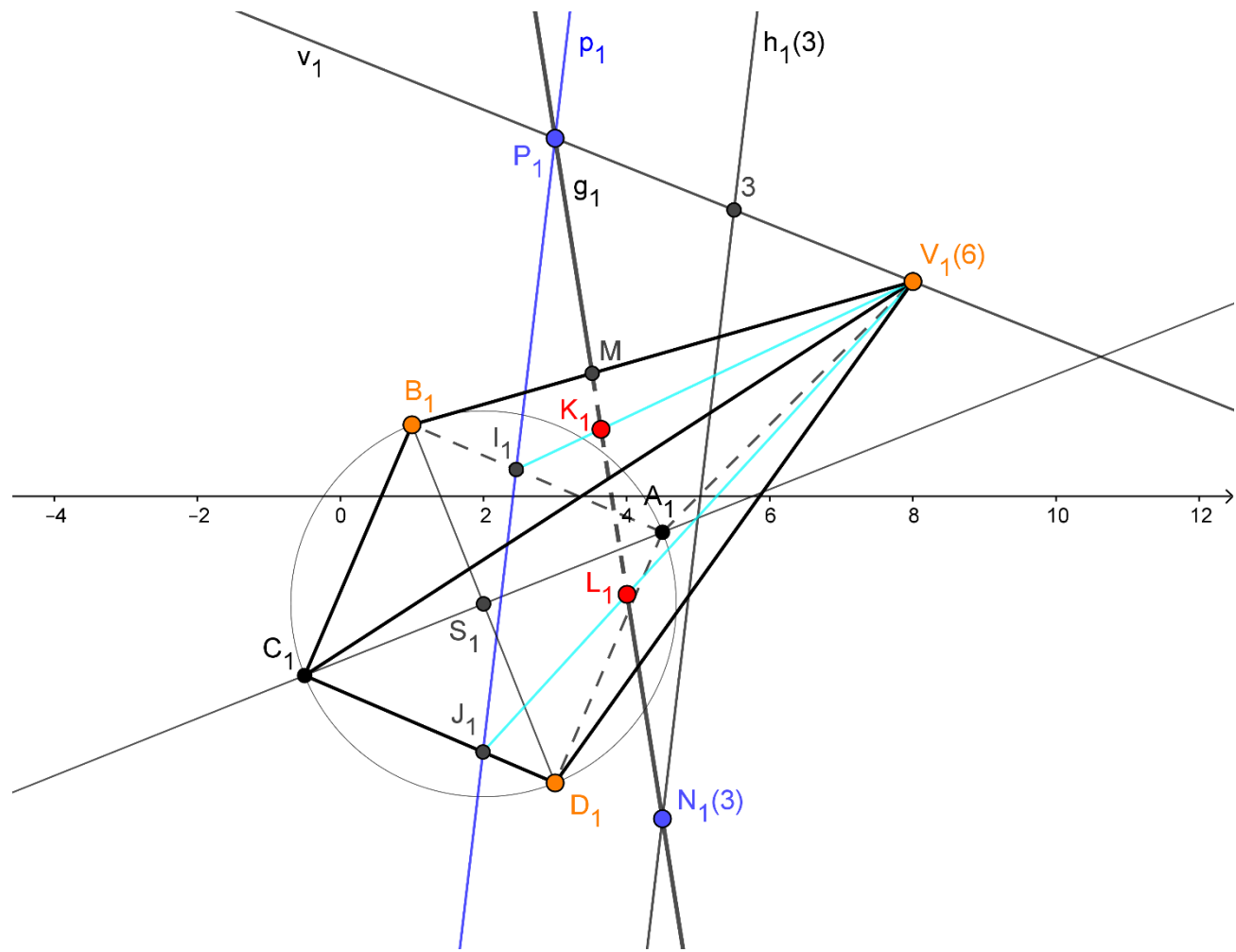












Nalezněte řez hranolu ABCDA'B'C'D' rovinou $p(-2,2,1)$, jestliže $A[1,0,0]$, $B[3,1,0]$, $C[4,0,0]$, $D[3,-3,0]$, $A'[7,-2,7]$.

