

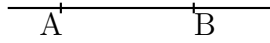
Geometrifigurer

til heftet: Geometri-MAT 0100V

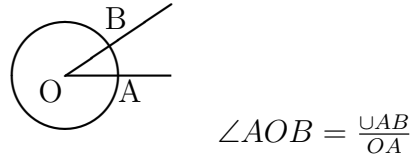
Kristian Ranestad

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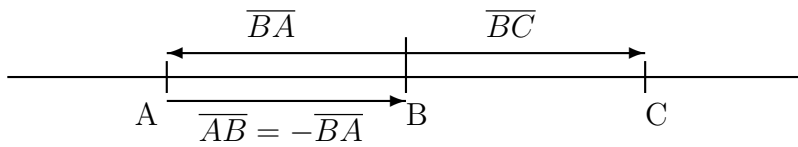




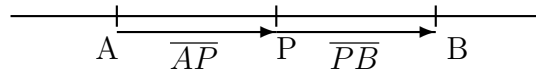
Figur 1: Linja gjennom AB



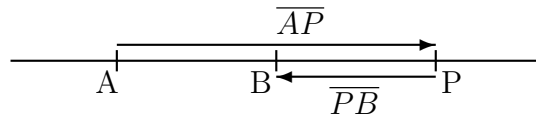
Figur 2: Vinkel $\angle AOB$ målt i radianer



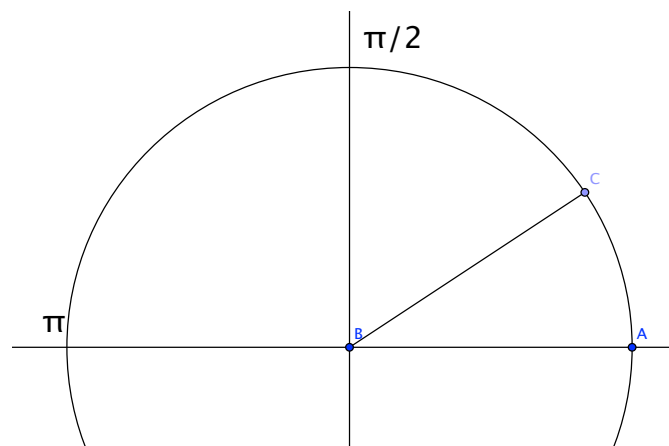
Figur 3: Tre punkter A , B og C på linje



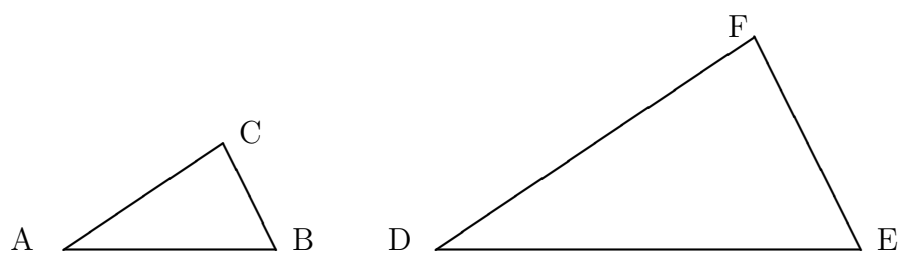
Figur 4: P deler AB innvendig og $\frac{\overrightarrow{AP}}{\overrightarrow{PB}} > 0$



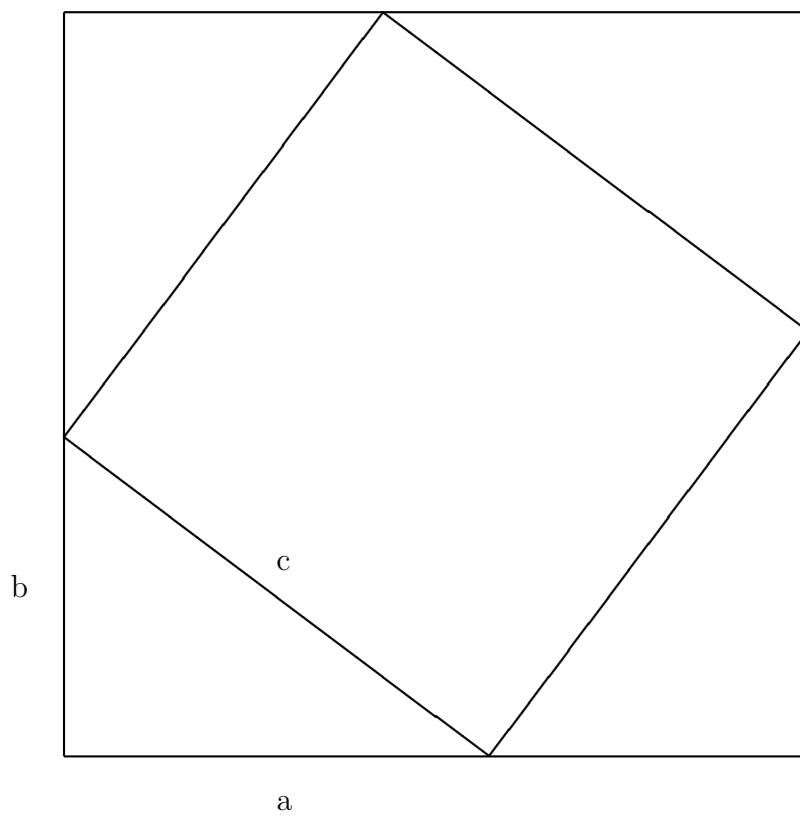
Figur 5: P deler AB utvendig og $\frac{\overrightarrow{AP}}{\overrightarrow{PB}} < 0$



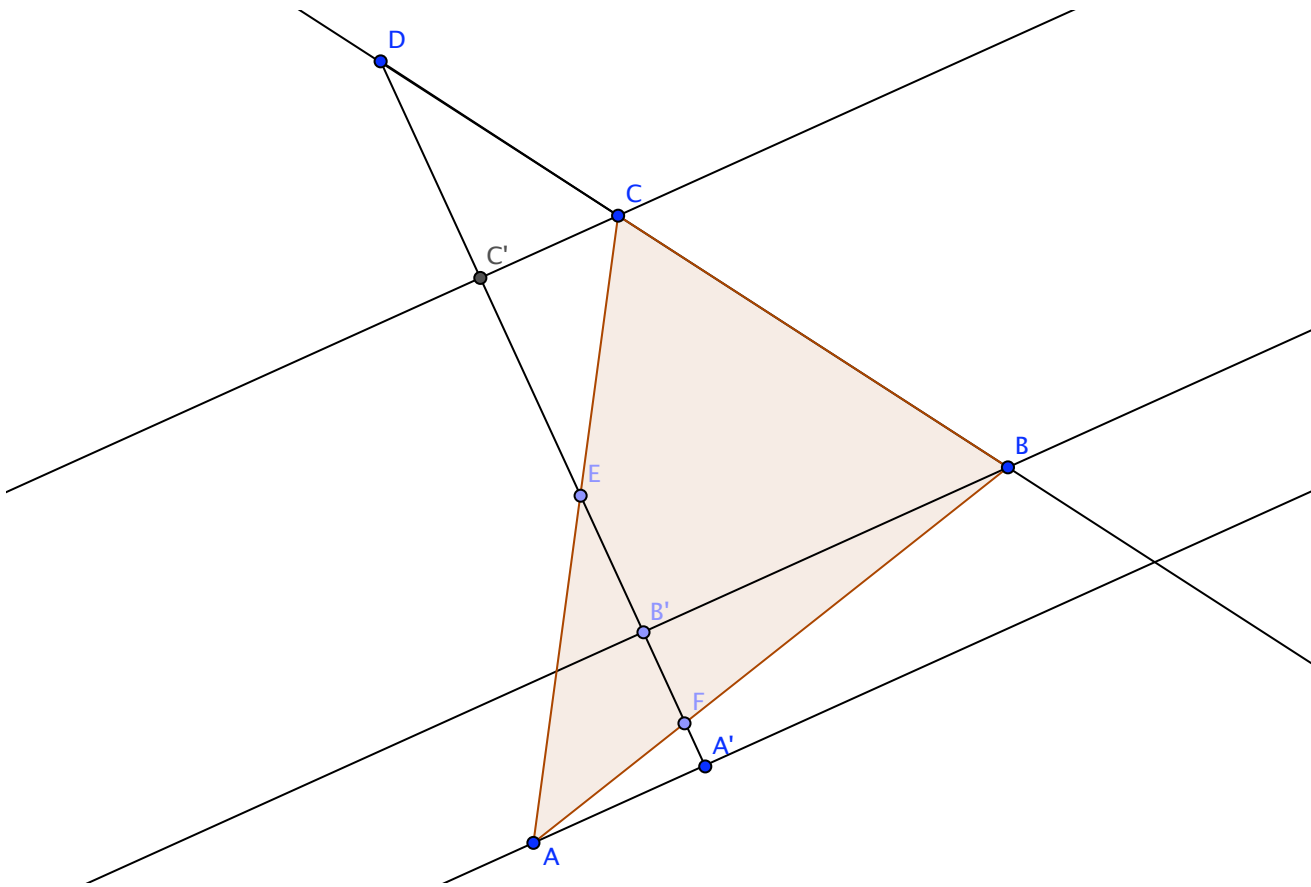
Figur 6: Vinkler målt i radianer mellom 0 og 2π



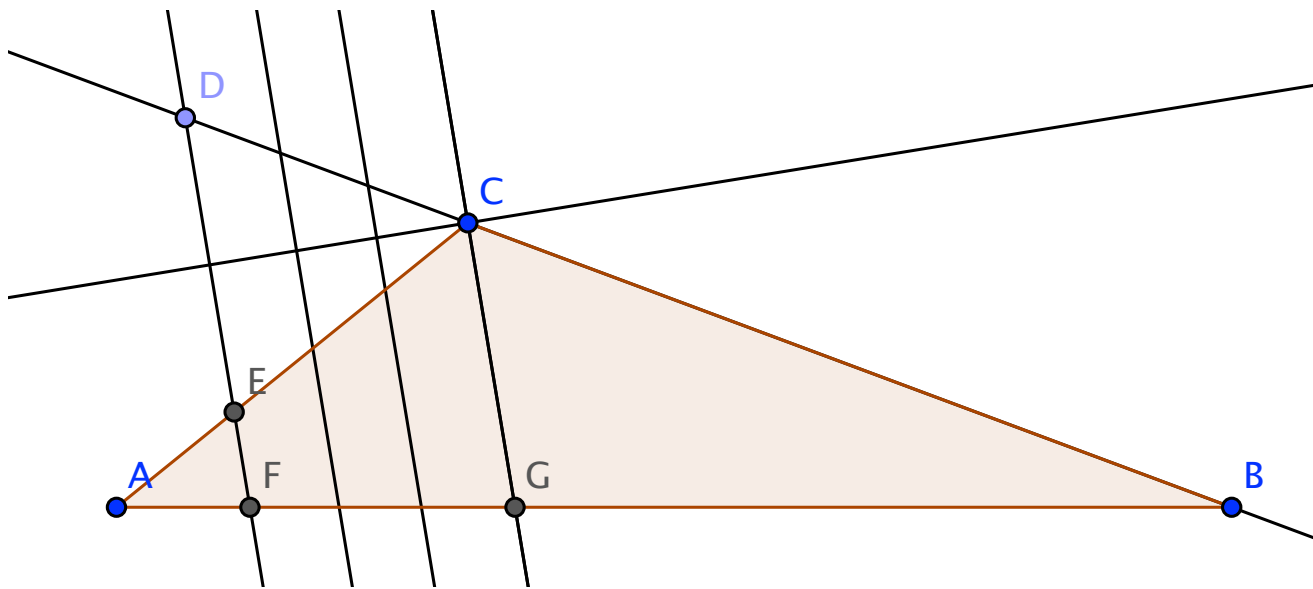
Figur 7: Formlike trekanter



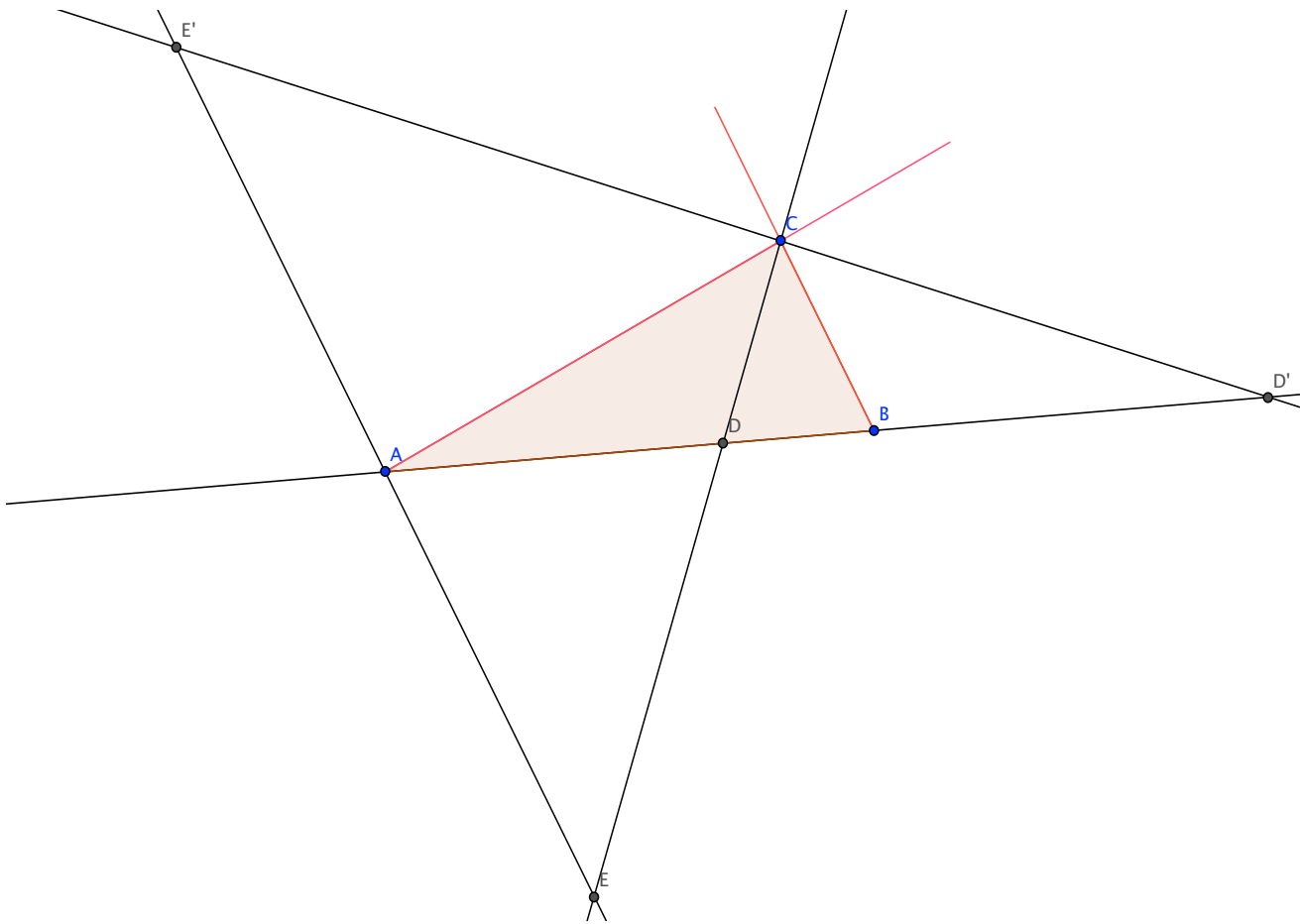
a
Figur 8: Bevis av Pytagoras



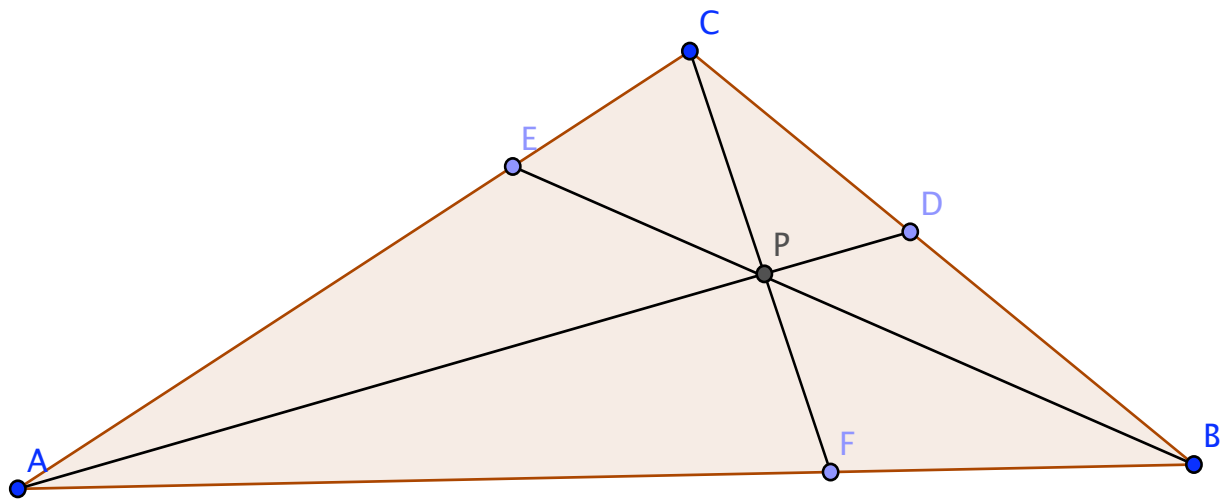
Figur 9: Menelaos' setning



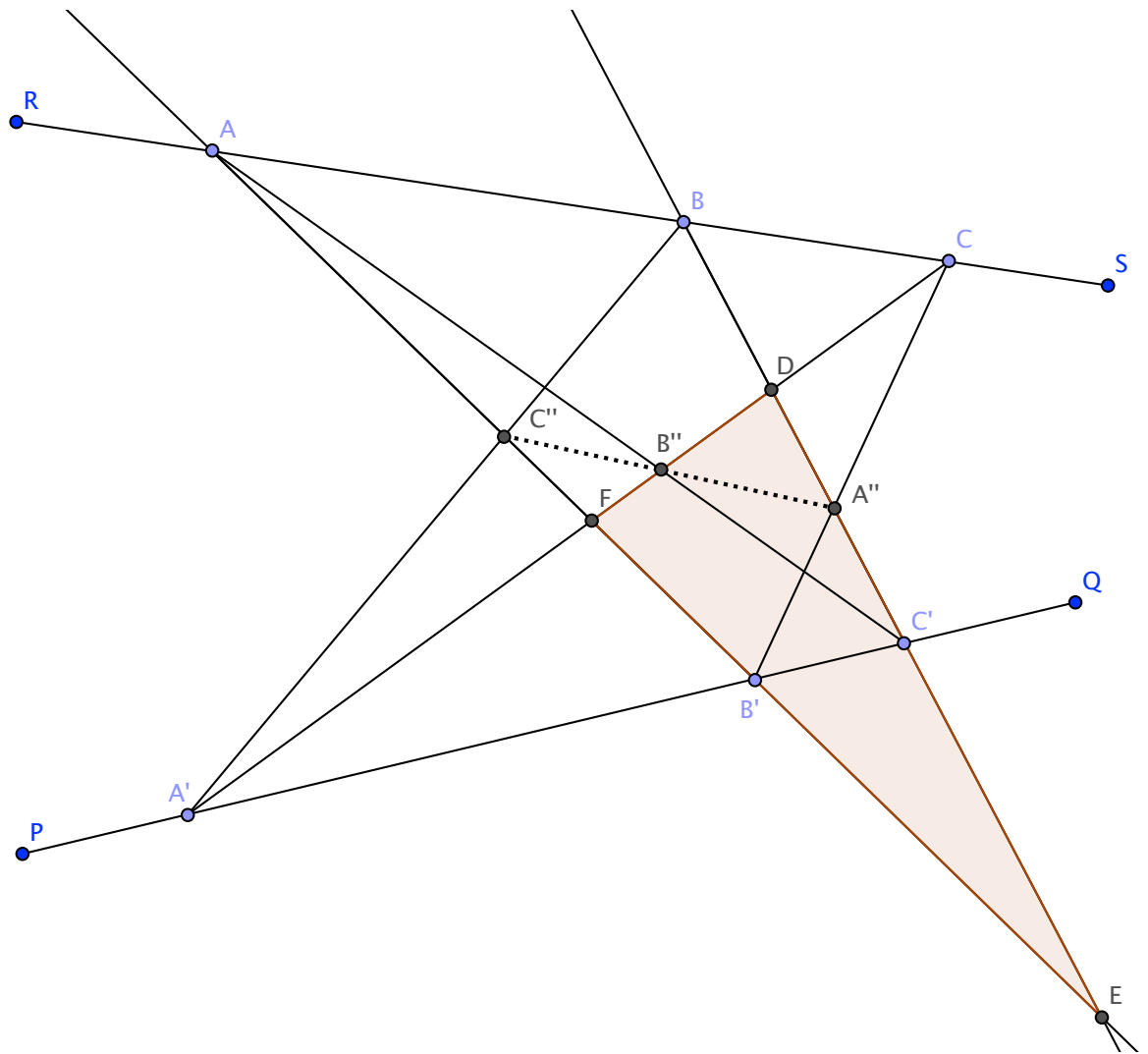
Figur 10: CG halverer $\angle ACB$



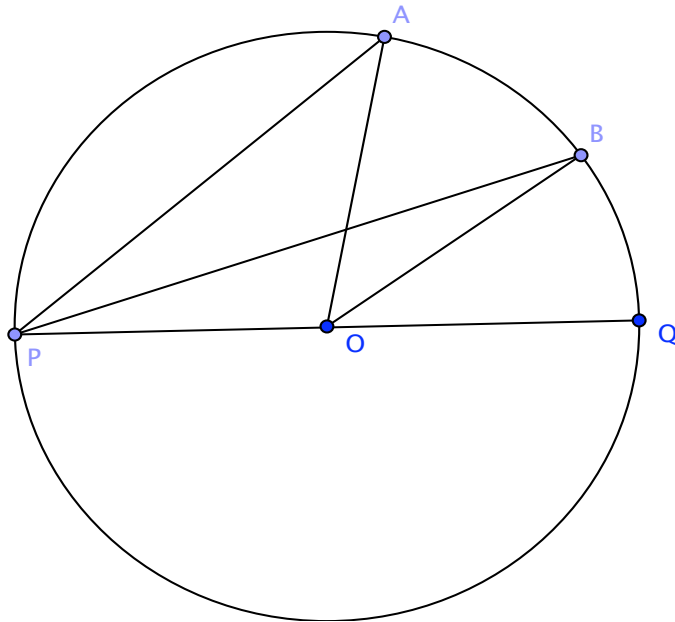
Figur 11: Setning om indre og ytre halveringslinje



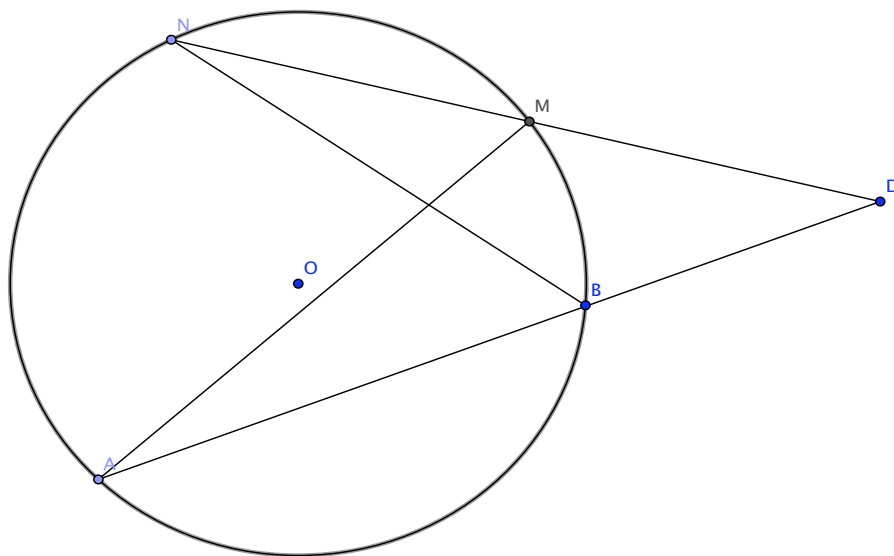
Figur 12: Cevas setning



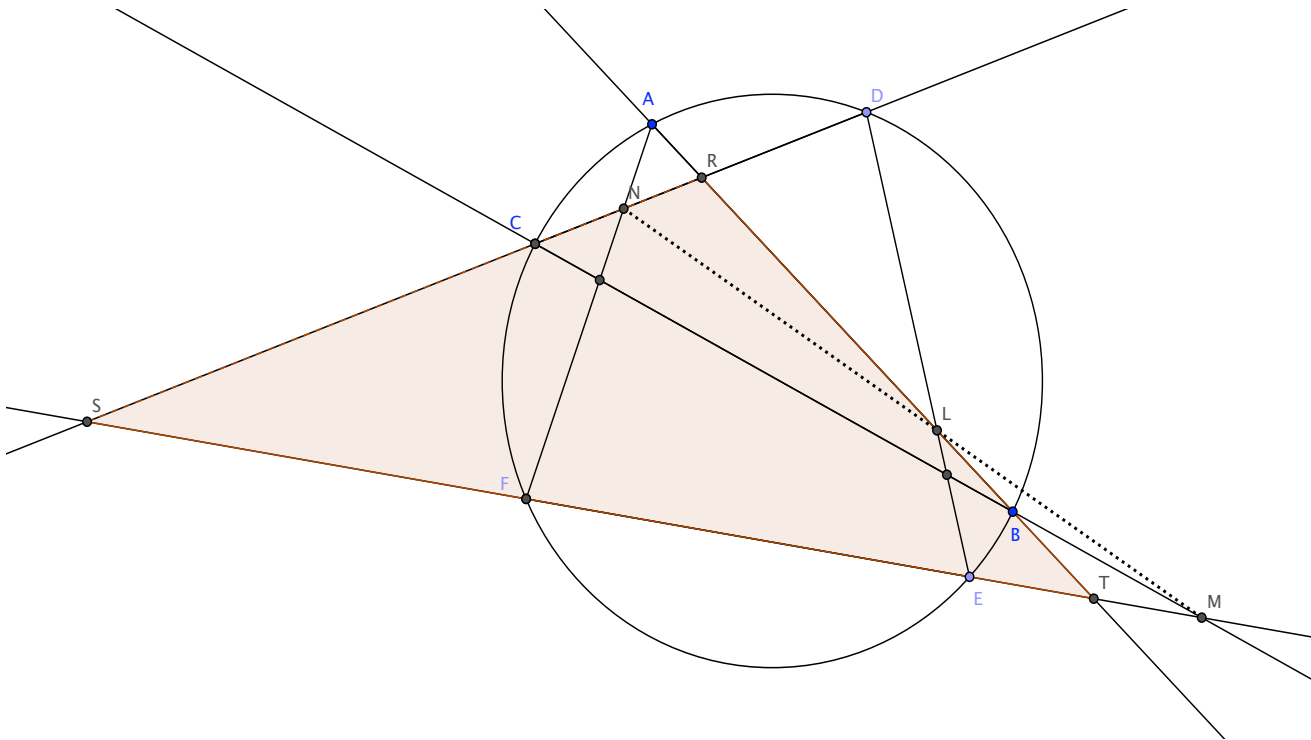
Figur 13: Pappos' setting



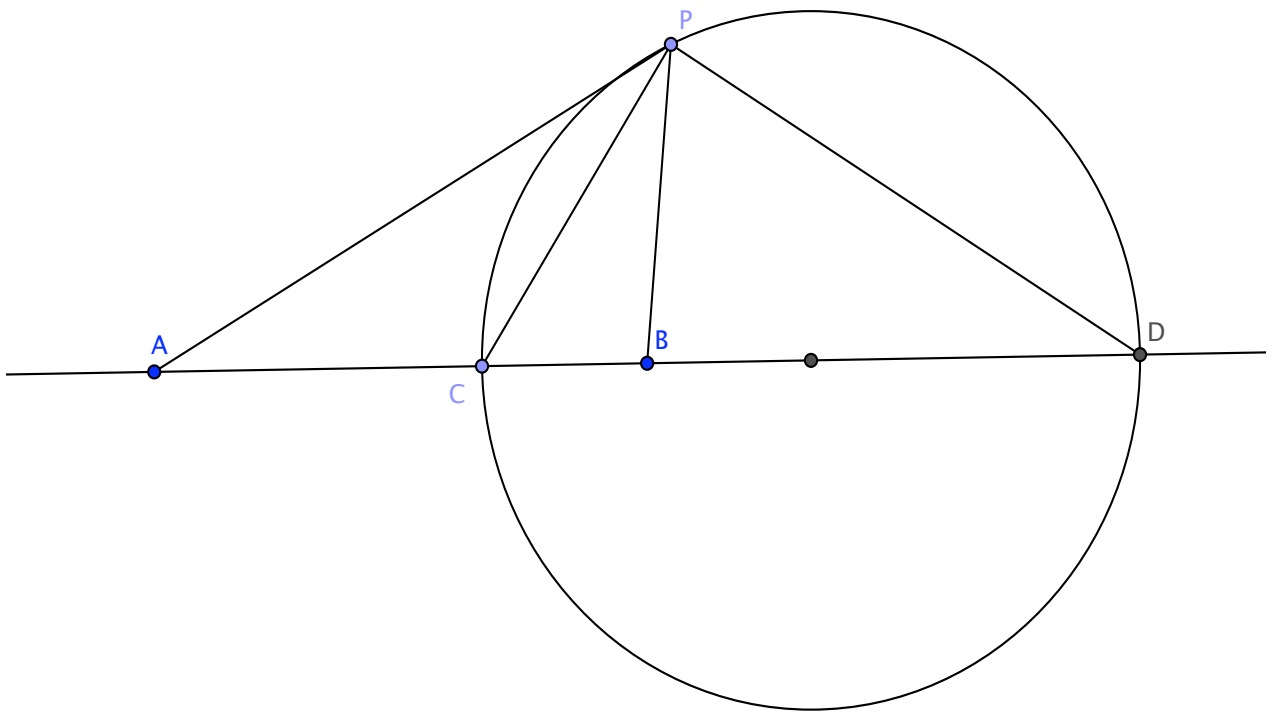
Figur 14: Setning om periferivinkler



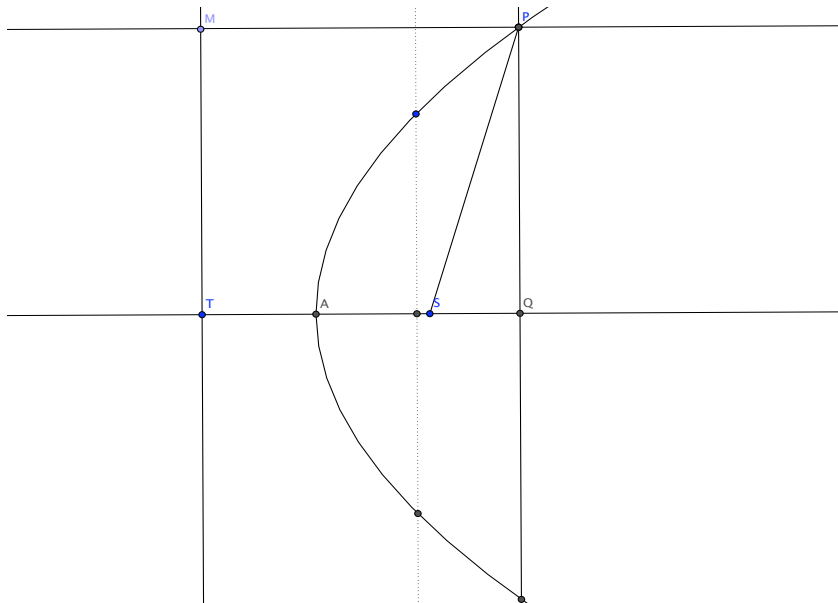
Figur 15: Punkts potens



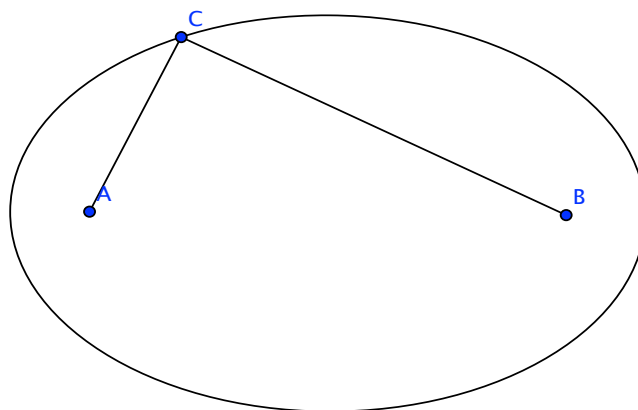
Figur 16: Pascals setting



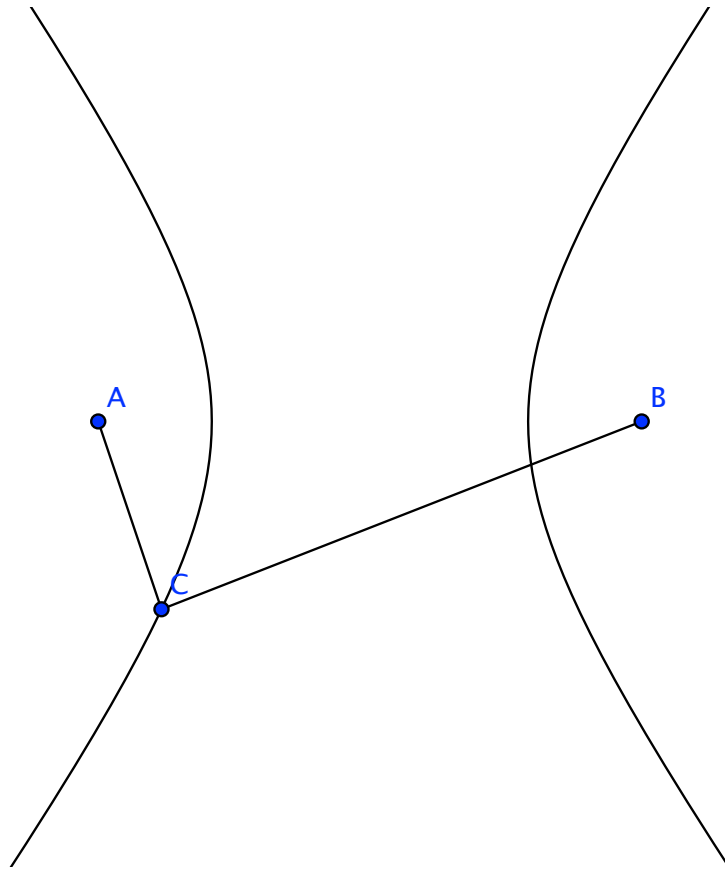
Figur 17: Apollonios-sirkel



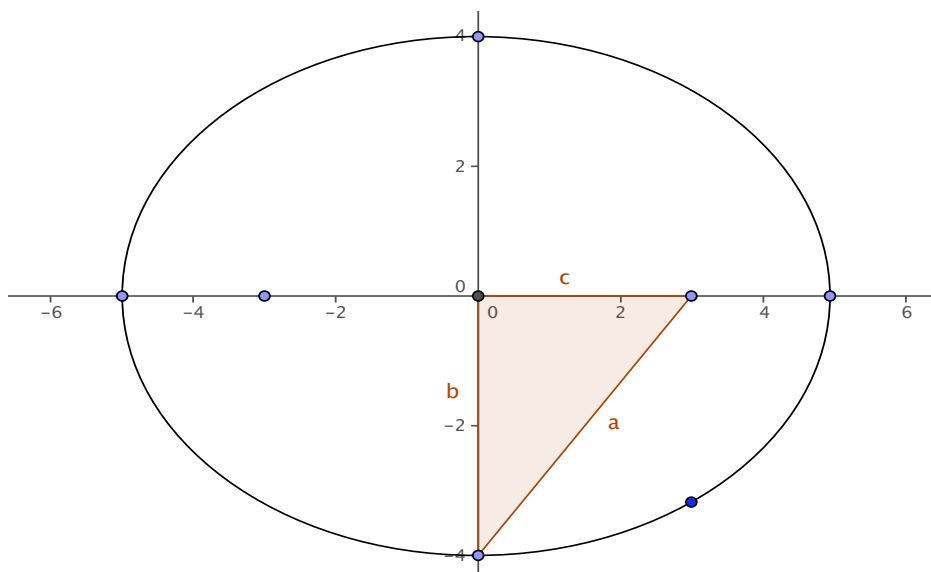
Figur 18: Brennpunkt og styrelinje til en parabel



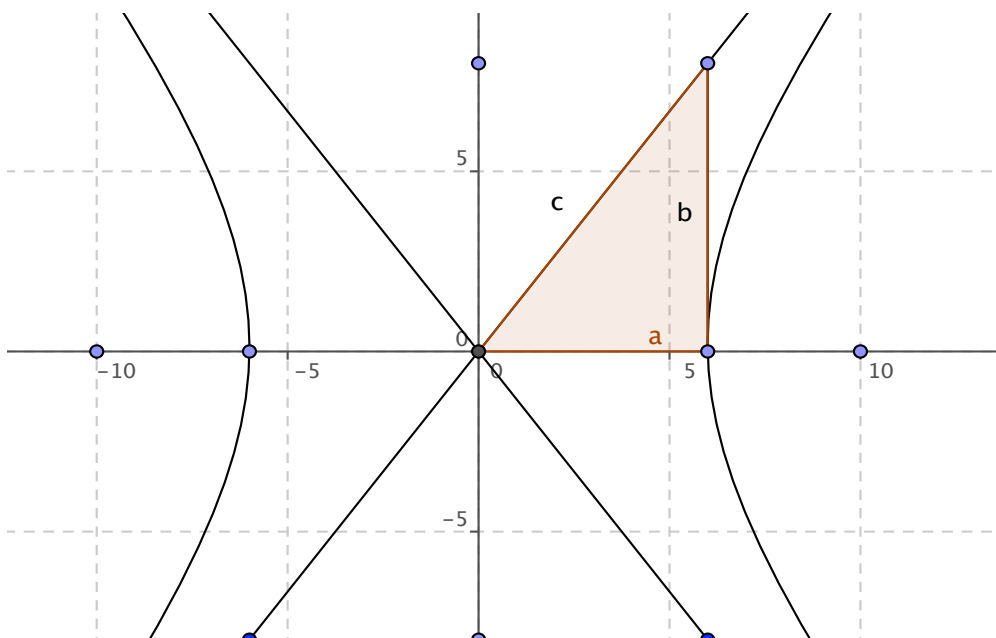
Figur 19: Brennpunktene til en ellipse



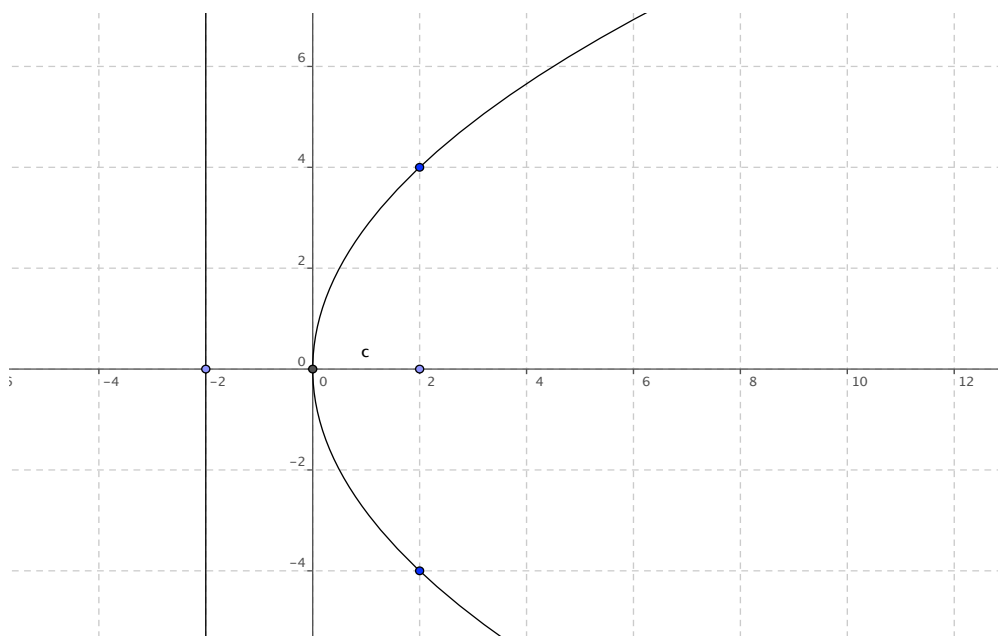
Figur 20: Brennpunktene til en hyperbel



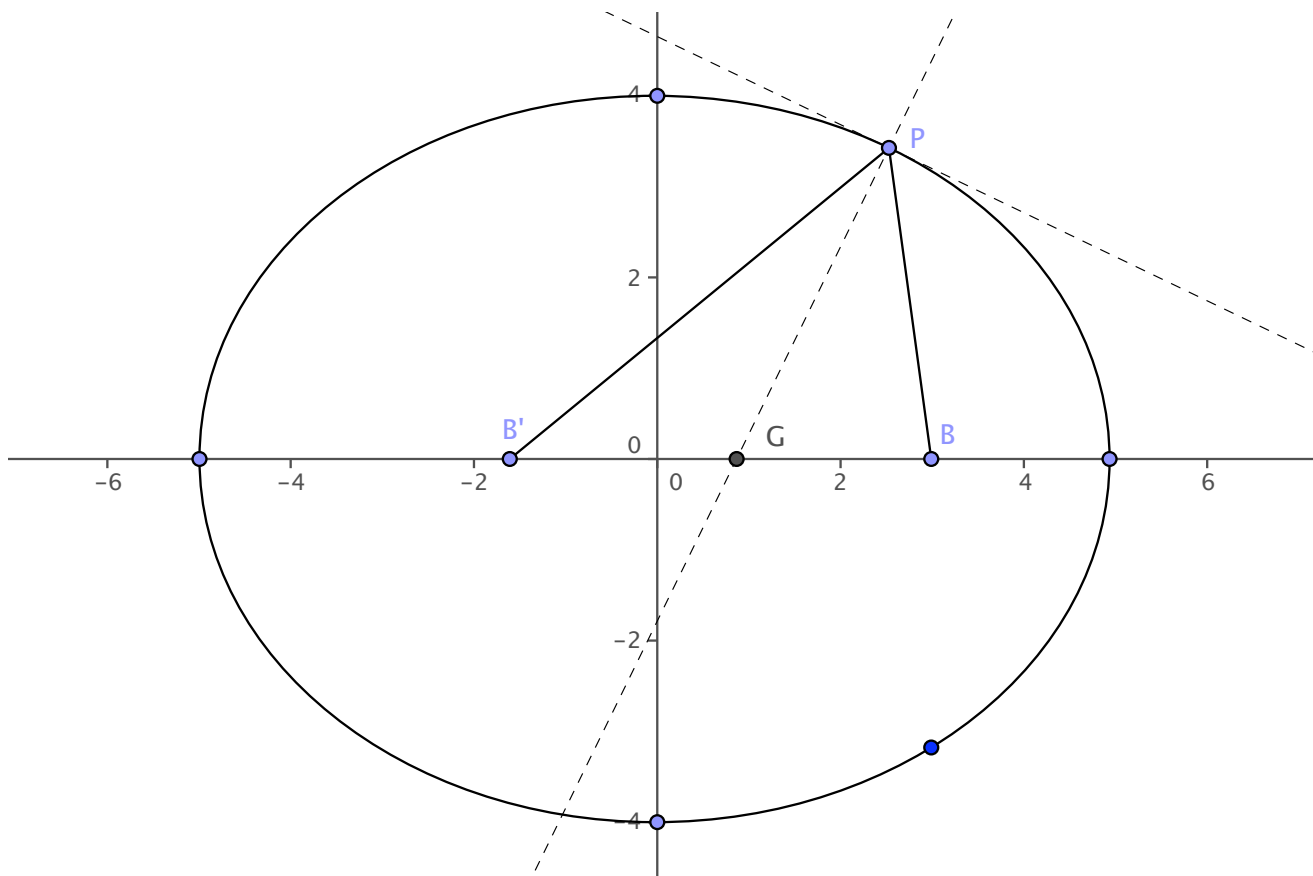
Figur 21: Ellipse med ligning $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$



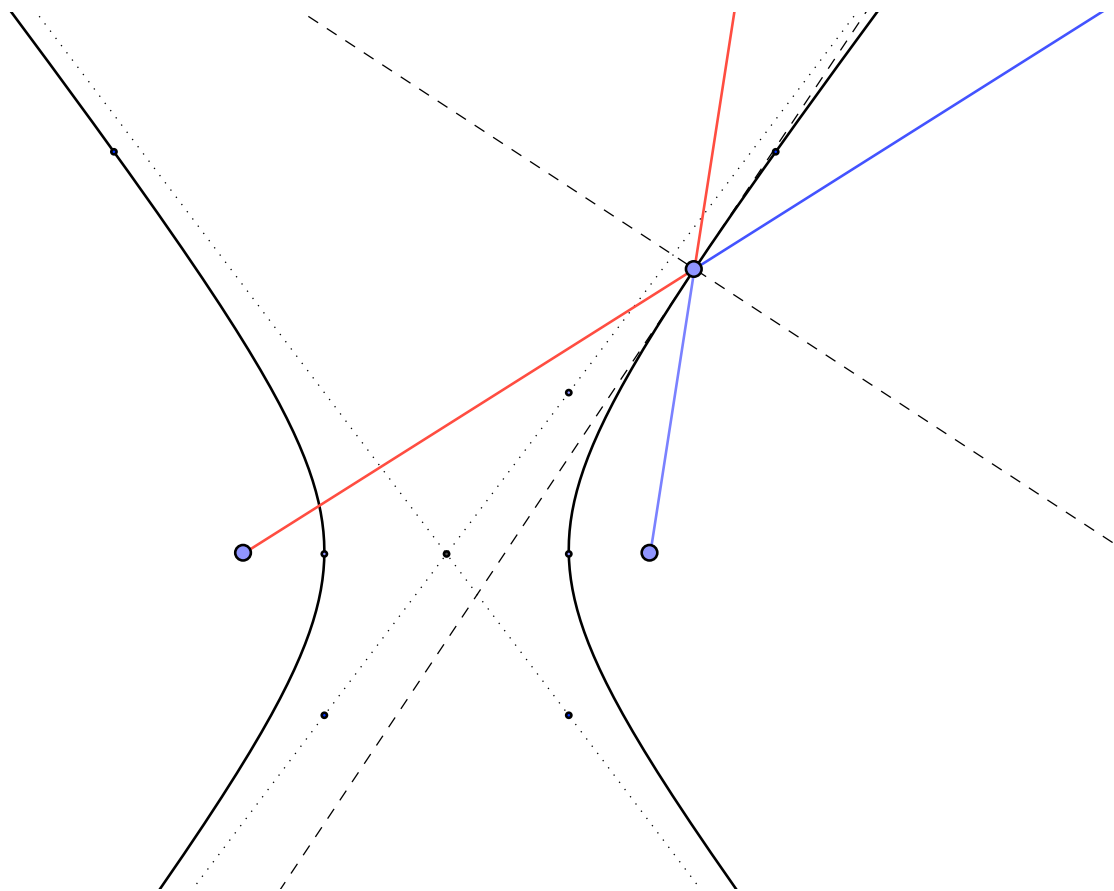
Figur 22: Hyperbel med ligning $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$



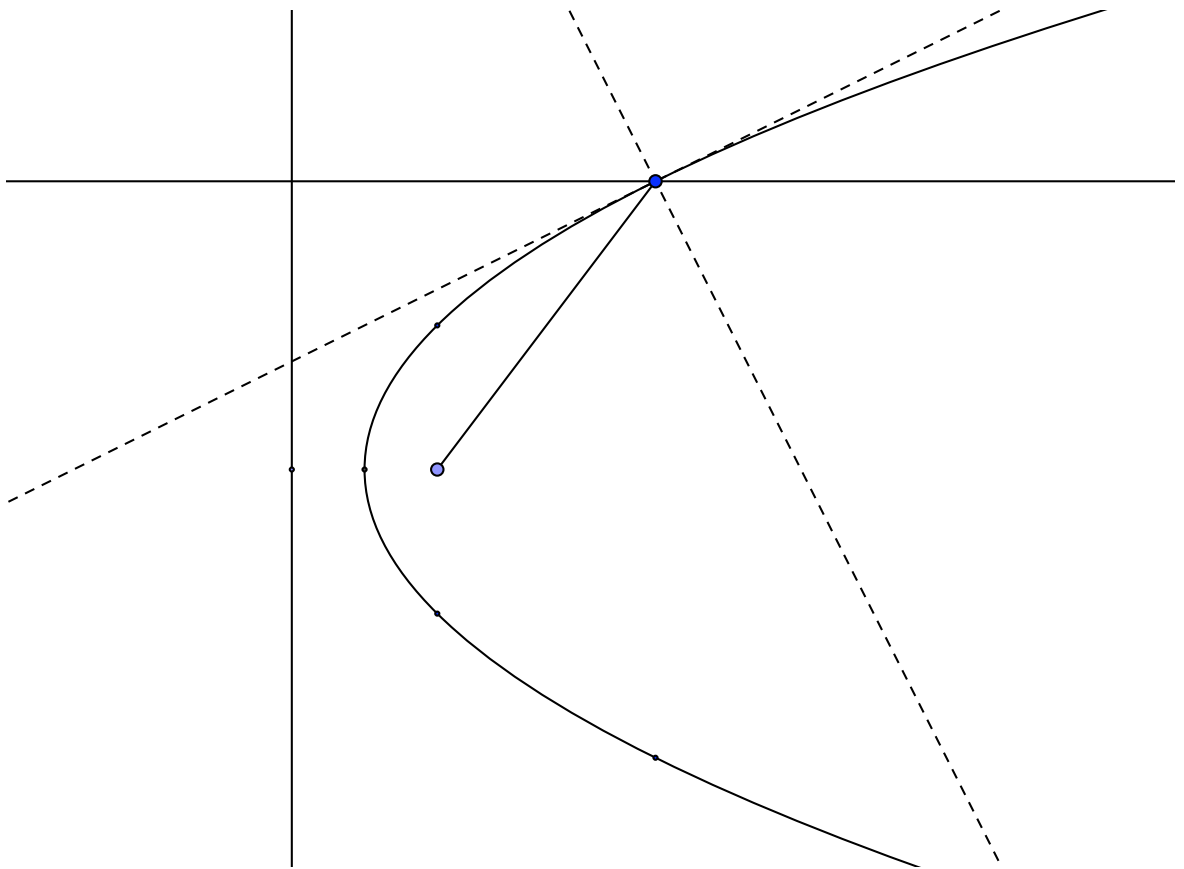
Figur 23: Parabel med ligning $y^2 = 4cx$



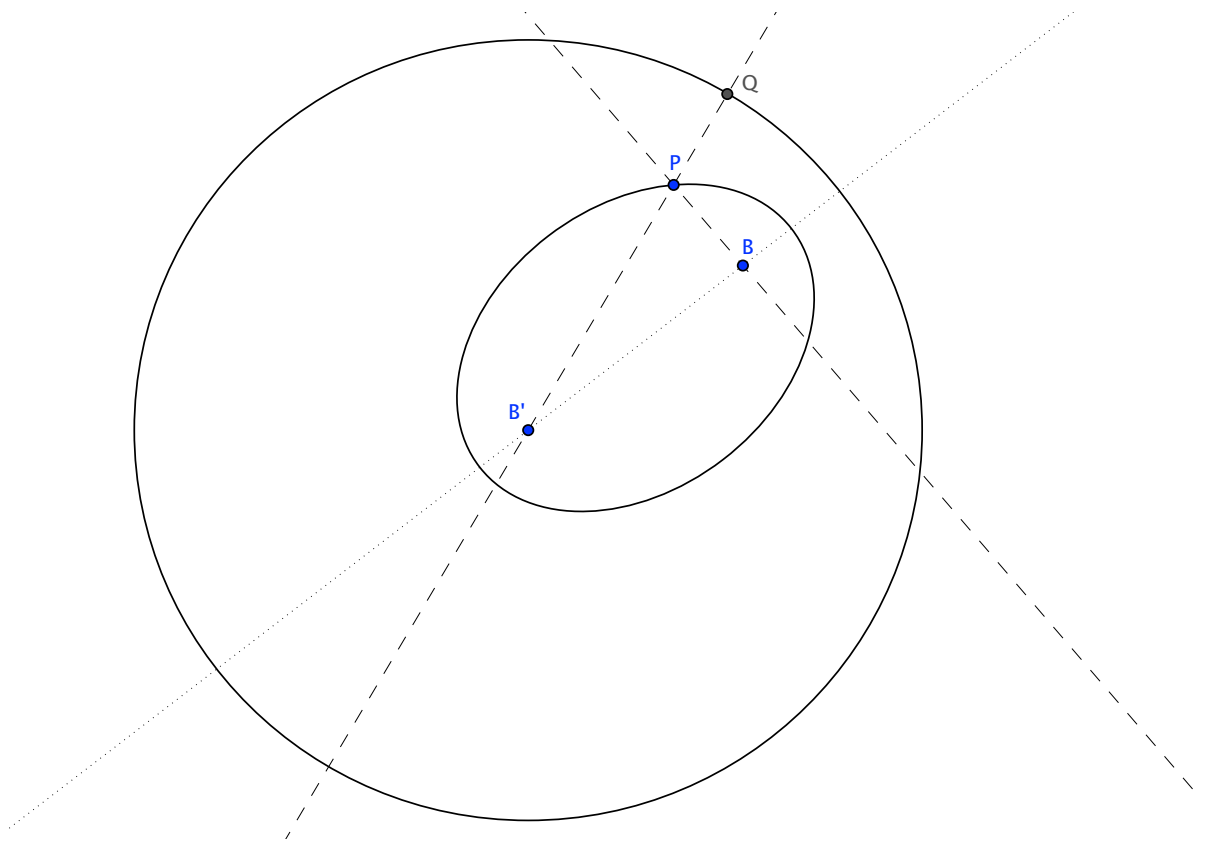
Figur 24: Speilingssegenskapen til en ellipse



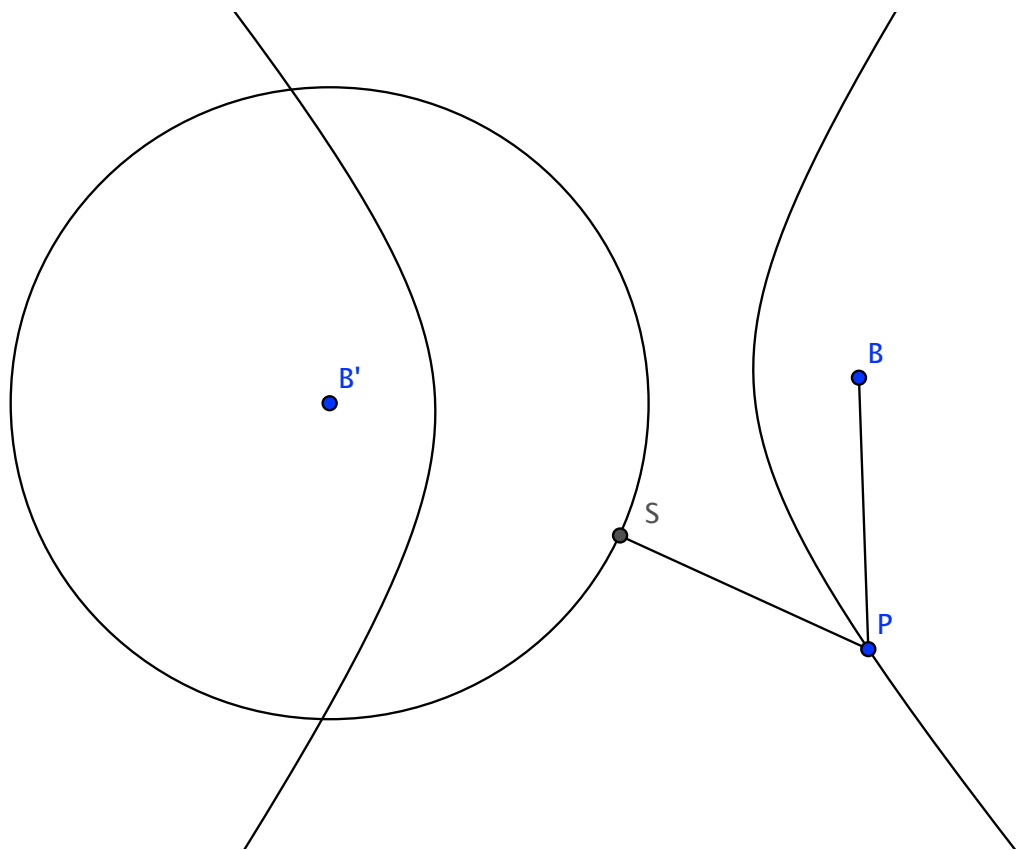
Figur 25: Speilingssegenskapen til en hyperbel



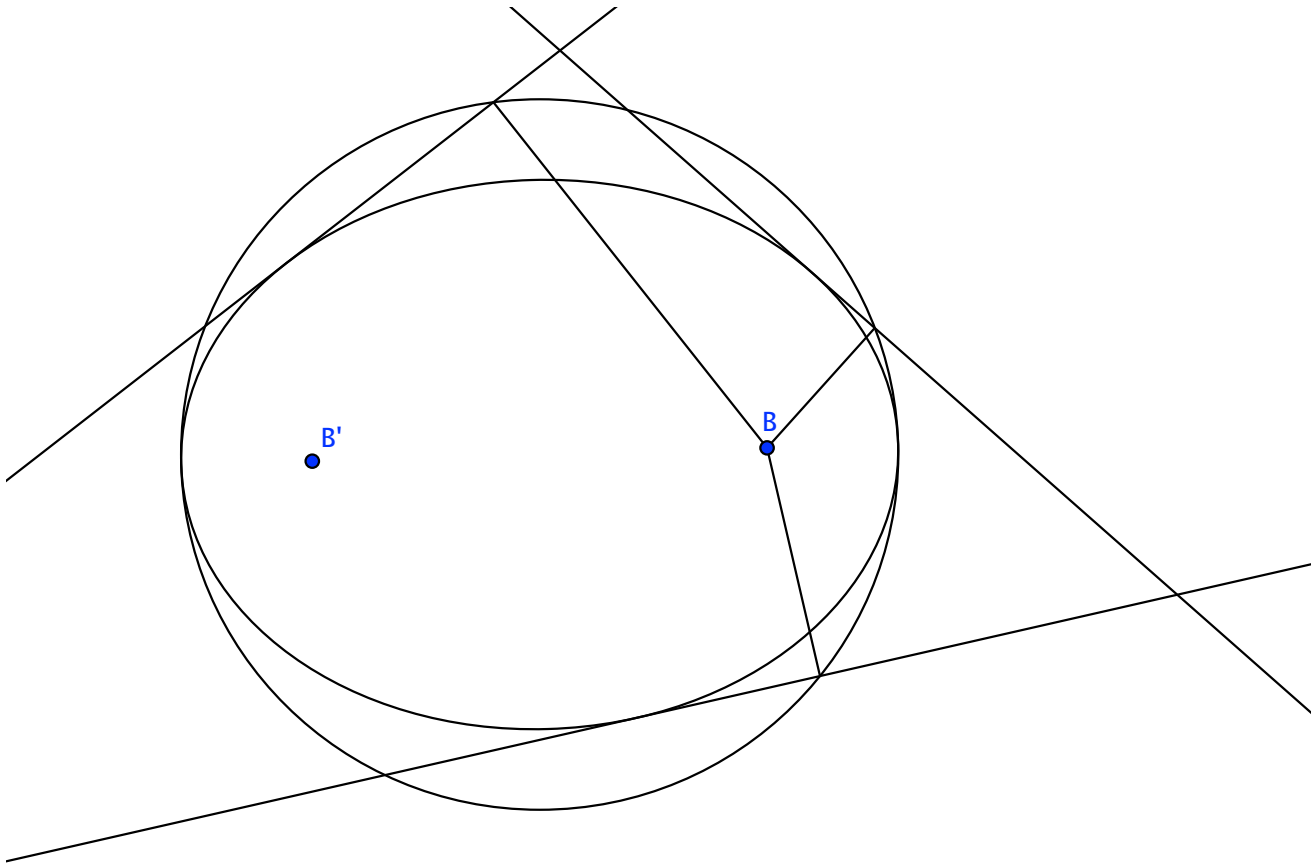
Figur 26: Speilingssegenskapen til en parabel



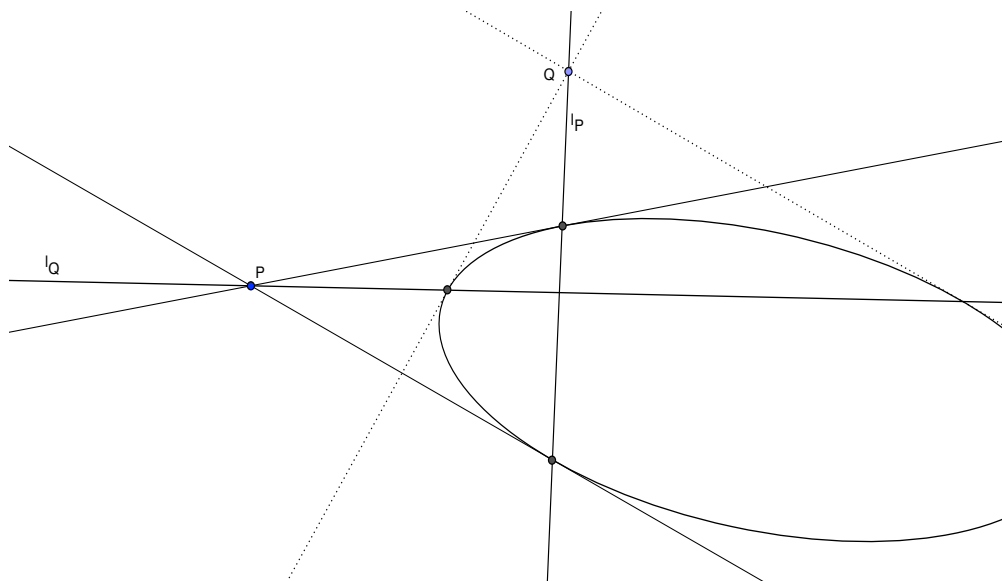
Figur 27: P har samme avstand til B som til Q



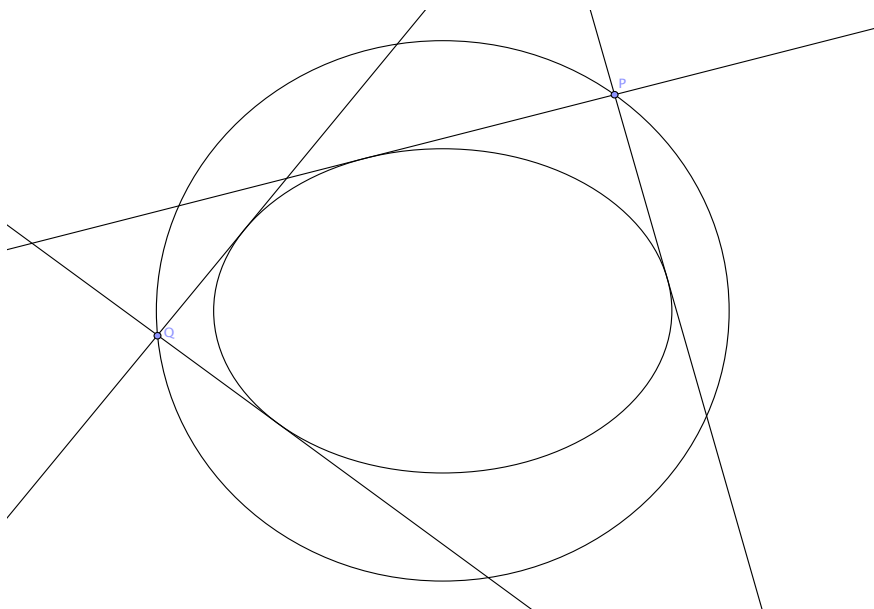
Figur 28: P har samme afstand til B som til S



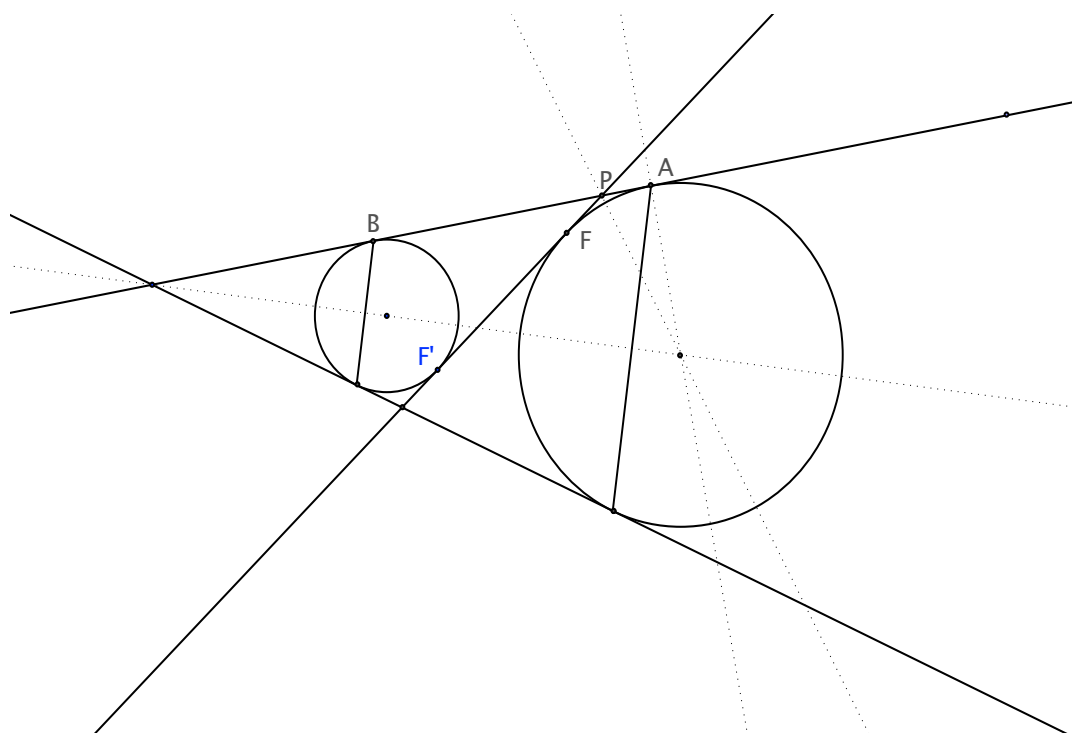
Figur 29: Pedalkurven mht til B er storsirkelen til ellipsen



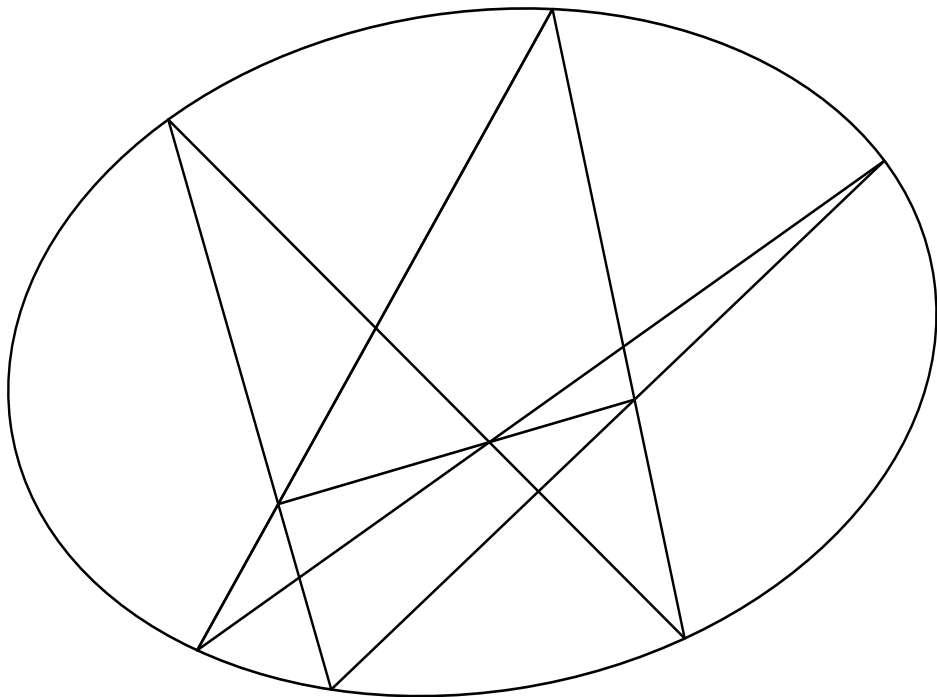
Figur 30: Pol og polare



Figur 31: Styresirkelen til ellipsen



Figur 32: Plant snitt av et kjeglesnitt med dandelinske kuler



Figur 33: Pascals setning for ellipse