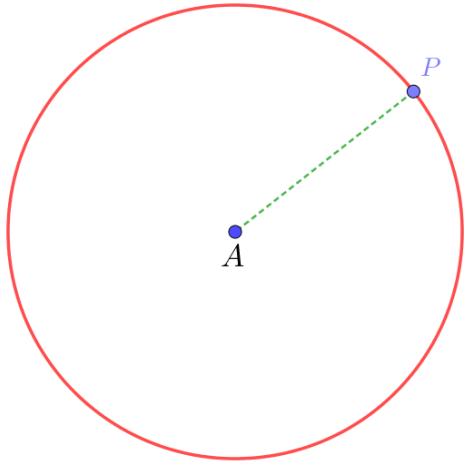
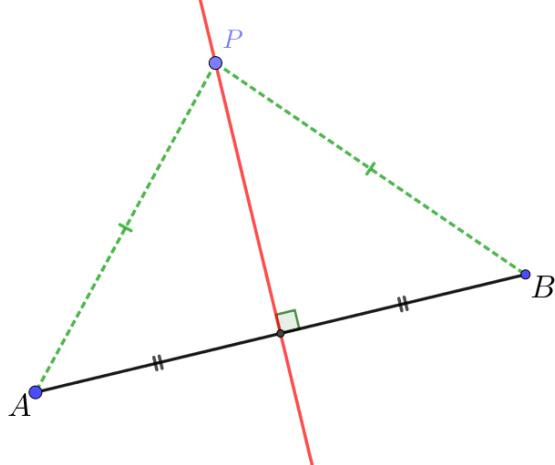
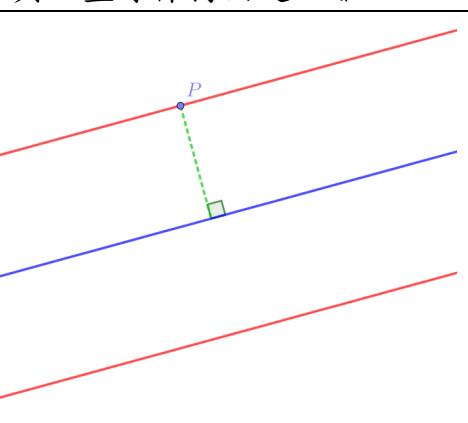
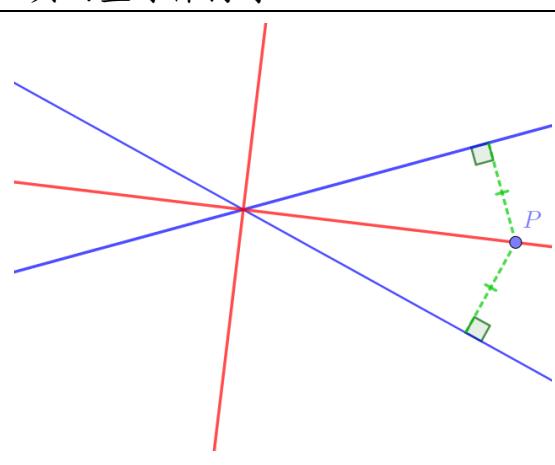
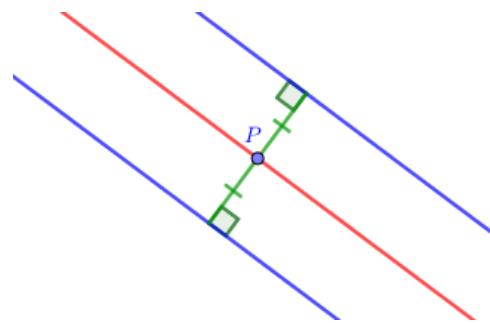


Common Loci 常見軌跡

<p>1. fixed distance from a fixed point 與一固定點保持固定距離</p>	<p>2. equidistant from two fixed points 與兩固定點保持等距</p>
 <p>Circle 圓形</p>	 <p>Perpendicular Bisector 垂直平分線</p>
<p>3. fixed distance from a straight line 與一直線保持固定距離</p>	<p>4. equidistant from two straight lines 與兩直線保持等距</p>
 <p>Parallel Lines 平行線</p>	 <p>Angle Bisectors 角平分線</p>

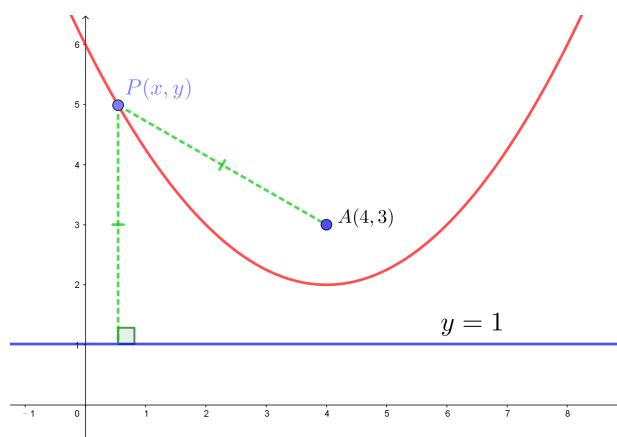
5. equidistant from two parallel lines

與兩平行線保持等距



6. equidistant from a fixed point and a straight line

與一固定點及一直線保持等距



Parabola 抛物線

The equation of the parabola
拋物線之方程

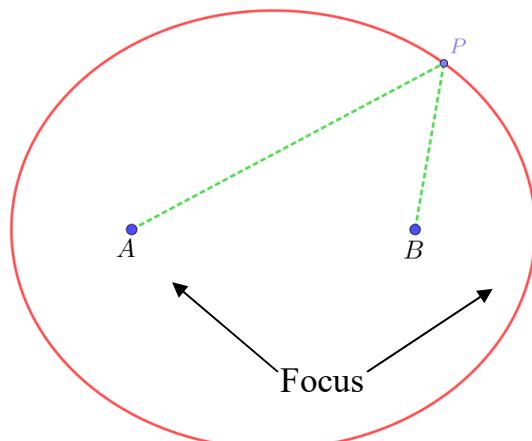
$$\sqrt{(x - 4)^2 + (y - 3)^2} = y - 1$$

$$(x - 4)^2 + (y - 3)^2 = (y - 1)^2$$

$$y = \frac{1}{4}x^2 - 2x + 6$$

7. sum of distances from two fixed points is a constant

與兩固定點之距離的和為常數



$$PA + PB = \text{constant} \text{ 常數}$$

Ellipse 橢圓形