

Pantulan cahaya pada cermin melengkung / <i>The reflection of light on a curved mirror</i>	
Cermin cekung / <i>Concave mirror</i>	Cermin cembung / <i>Convex mirror</i>
Istilah-istilah / <i>The terms</i> :	

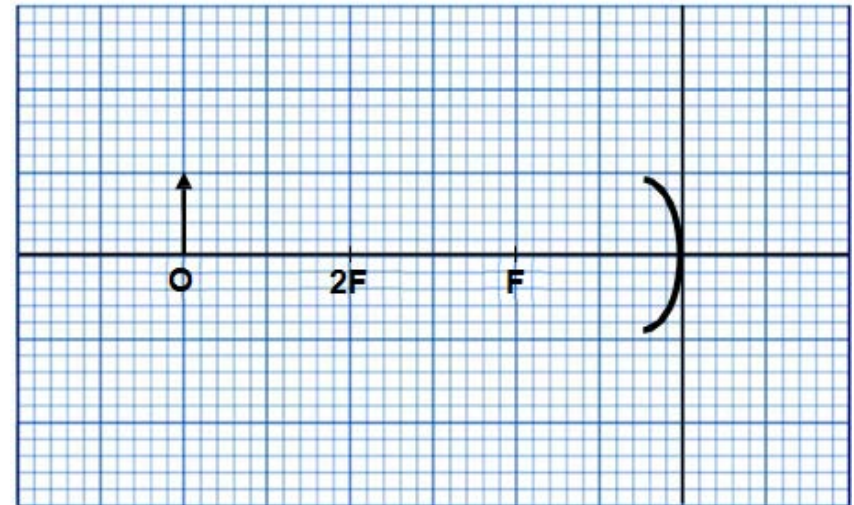
Hukum Pantulan Cahaya / *The Law of Reflection of Light*

- (i) Sinar datang selari, pantul melalui f / *Ray comes parallel, reflect through f*
- (ii) Sinar datang f, pantul selari / *Ray comes f, reflect parallel*
- (iii) Sinar datang c, pantul melalui c / *Ray comes c, reflect through c*

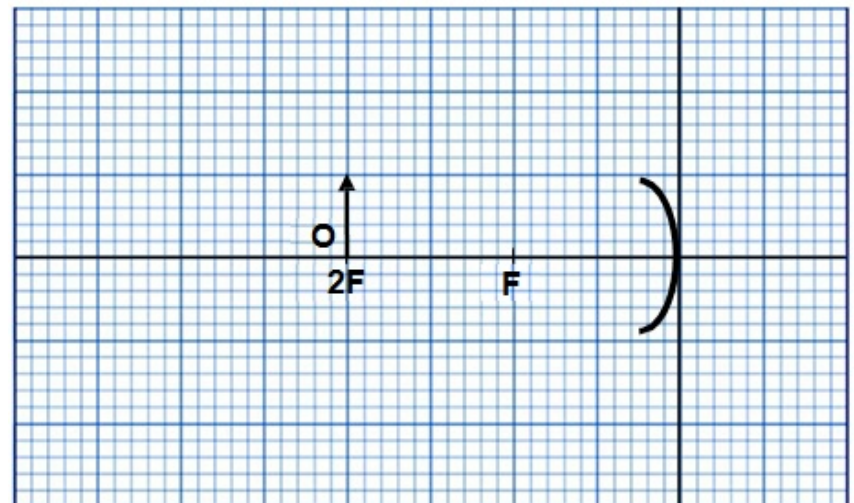
Cermin cekung / <i>Concave mirror</i>	Cermin cembung / <i>Convex mirror</i>
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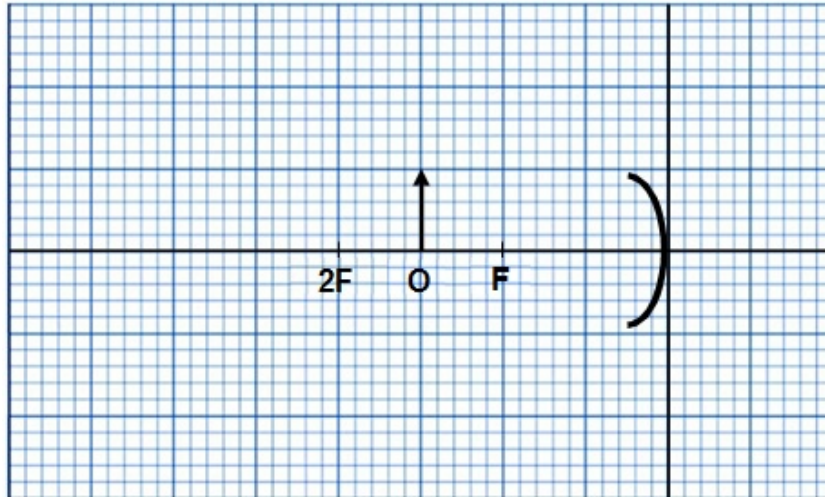
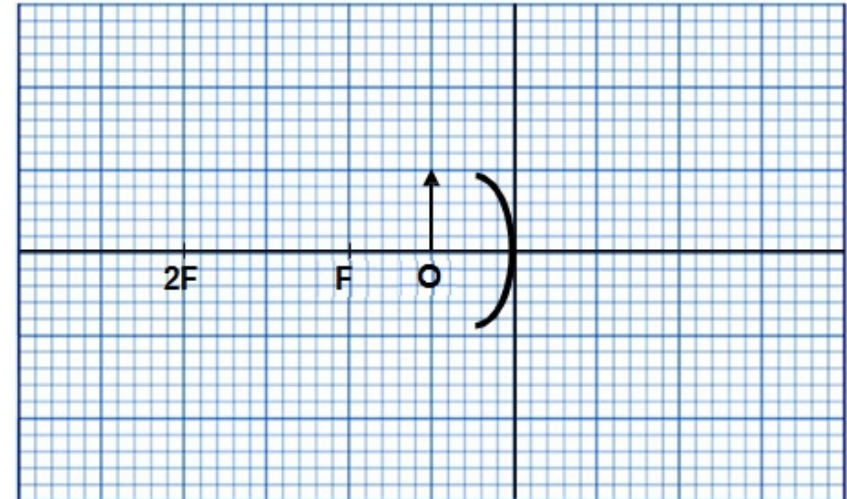
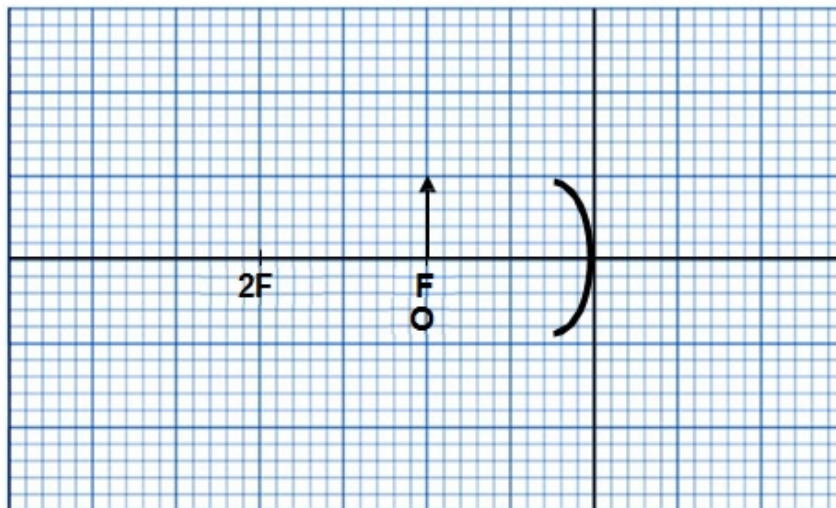
Lukis gambar rajah sinar bagi cermin cekung dan tentukan ciri-ciri imej.
Draw the ray diagrams for concave mirror and specify the characteristics of the image.

(i) $u > 2f$

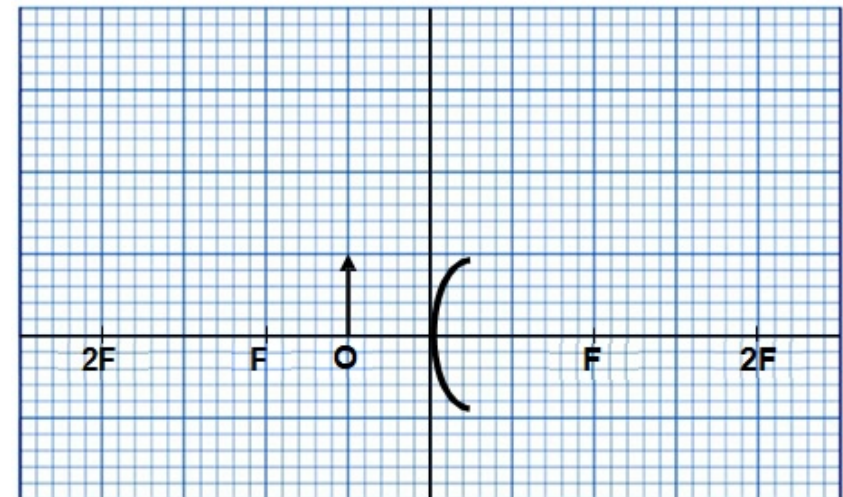


(ii) $u = 2f$

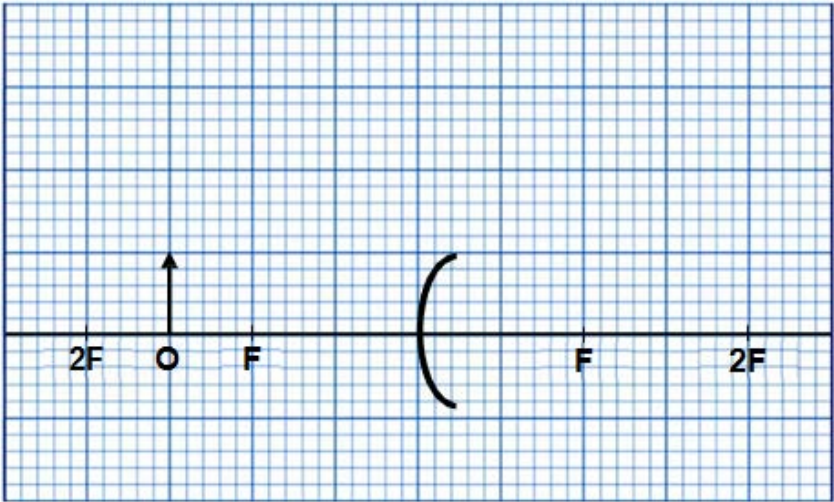


(iii) $f < u < 2f$ (v) $u < f$ (iv) $u = f$ 

Lukis gambar rajah sinar bagi cermin cembung dan tentukan ciri-ciri imej.
 Draw the ray diagrams for convex mirror and specify the characteristics of the image.

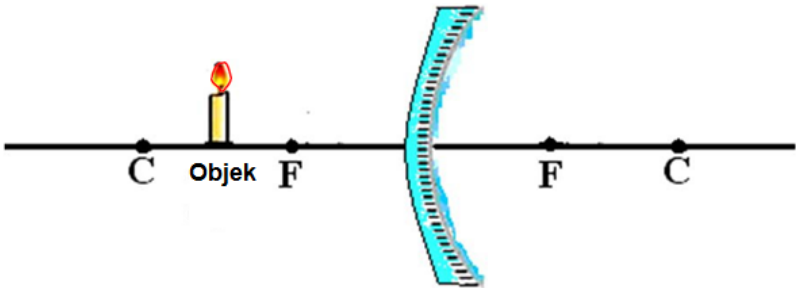
(i) $u < f$ 

(ii) $f < u < 2f$



Contoh 2 / Example 2 :

Rajah menunjukkan suatu objek diletakkan di hadapan satu cermin cembung. Lukis gambar rajah sinar dan tentukan ciri-ciri imej yang terbentuk?
Figure shows an object placed in front of a convex mirror. Draw ray diagrams and specify the characteristics of the image formed?



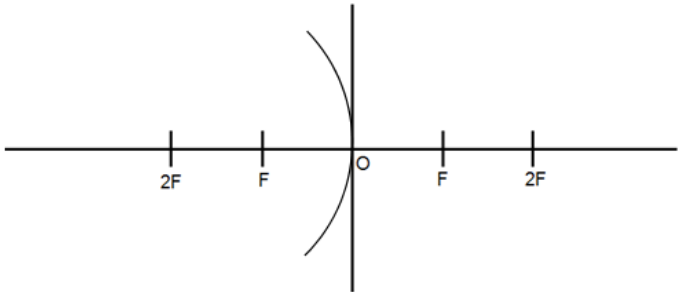
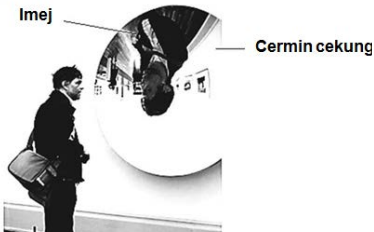
Ciri-ciri imej yang terbentuk / Characteristics of the image formed :

Latihan 2 / Exercise 2:

Rajah di bawah menunjukkan seorang lelaki berdiri di hadapan sebuah cermin cekung.
Figure below shows a man standing in front of a concave mirror.

- (i) Berdasarkan rajah, nyatakan satu ciri imej yang terbentuk.
Based on the diagram, state one of characteristic that formed.

- (ii) Menggunakan jawapan dalam (i), lengkapkan rajah sinar dalam rajah di bawah untuk menunjukkan bagaimana imej lelaki dalam rajah terbentuk.



Aplikasi cermin cekung / Application of concave mirror

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Aplikasi cermin cembung / Application of convex mirror

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