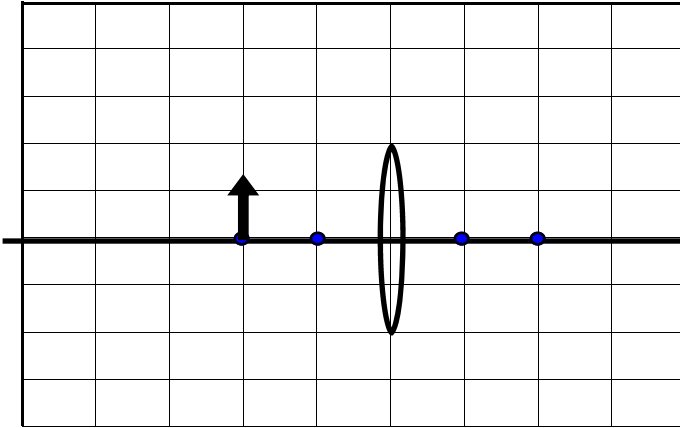


HW 8.5 Ray Diagrams

Name _____

I. Draw the ray diagrams and describe the images.

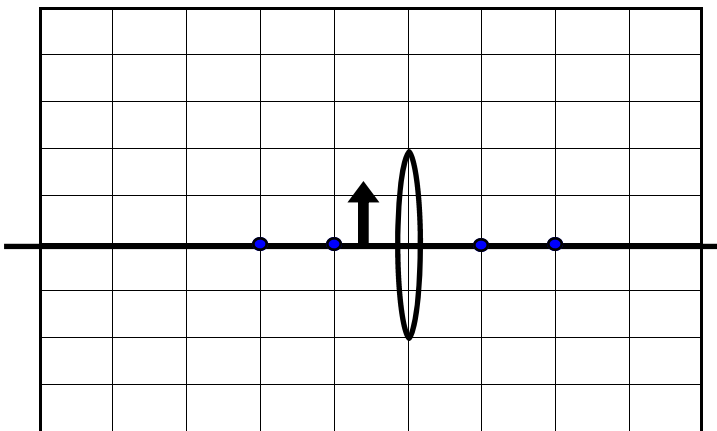


Mini	<input type="checkbox"/>	Real	<input type="checkbox"/>
Max	<input type="checkbox"/>	Virtual.....	<input type="checkbox"/>
Same	<input type="checkbox"/>	Upright.....	<input type="checkbox"/>
		Inverted.....	<input type="checkbox"/>

The object is located 12 cm from the lens having a focus of 6 cm.

Where is the image?

How tall is the image if the object is 5 cm tall?

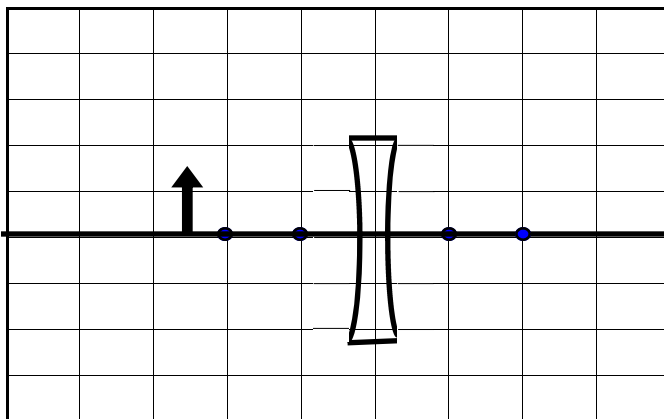


Mini	<input type="checkbox"/>	Real	<input type="checkbox"/>
Max	<input type="checkbox"/>	Virtual.....	<input type="checkbox"/>
Same	<input type="checkbox"/>	Upright.....	<input type="checkbox"/>
		Inverted.....	<input type="checkbox"/>

The object is located 7 cm from the lens having a focus of 10 cm.

Where is the image?

How tall is the image if the object is 5 cm tall?

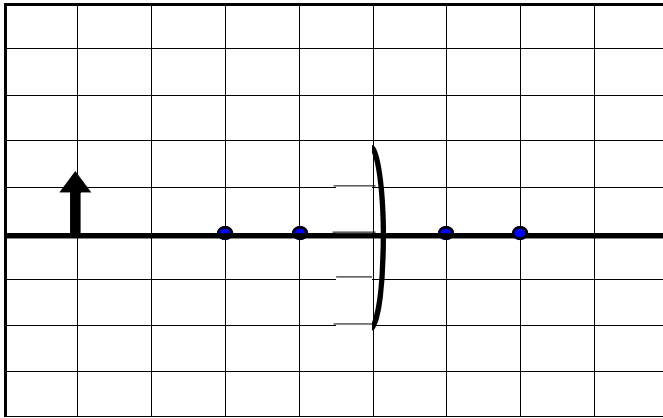


Mini	<input type="checkbox"/>	Real	<input type="checkbox"/>
Max	<input type="checkbox"/>	Virtual.....	<input type="checkbox"/>
Same	<input type="checkbox"/>	Upright.....	<input type="checkbox"/>
		Inverted.....	<input type="checkbox"/>

The object is located 5 cm from the lens having a focus of 2 cm.

Where is the image?

How tall is the image if the object is 2 cm tall?

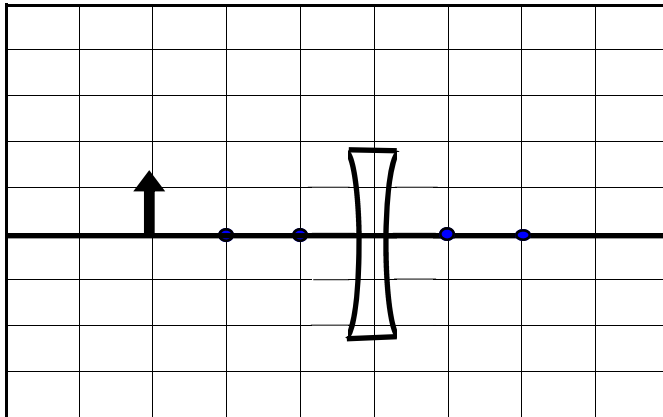


Mini	<input type="checkbox"/>	Real	<input type="checkbox"/>
Max	<input type="checkbox"/>	Virtual.....	<input type="checkbox"/>
Same	<input type="checkbox"/>	Upright.....	<input type="checkbox"/>
		Inverted.....	<input type="checkbox"/>

The object is located 4 cm from the mirror having a focus of 1 cm.

Where is the image?

How tall is the image if the object is 3 cm tall?

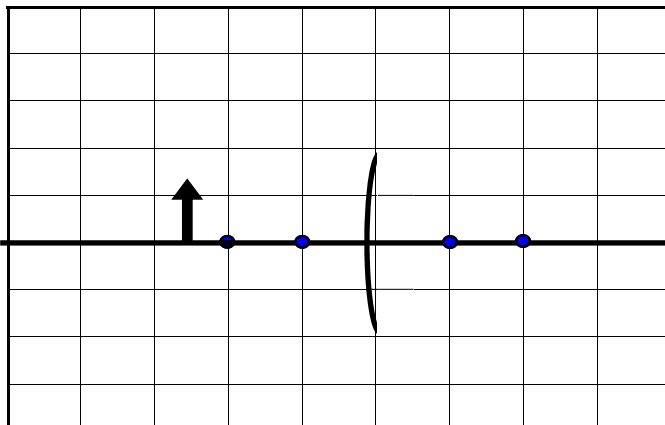


Mini	<input type="checkbox"/>	Real	<input type="checkbox"/>
Max	<input type="checkbox"/>	Virtual.....	<input type="checkbox"/>
Same	<input type="checkbox"/>	Upright.....	<input type="checkbox"/>
		Inverted.....	<input type="checkbox"/>

The object is located 12 cm from the lens having a focus of 4 cm.

Where is the image?

How tall is the image if the object is 2 cm tall?



Mini	<input type="checkbox"/>	Real	<input type="checkbox"/>
Max	<input type="checkbox"/>	Virtual.....	<input type="checkbox"/>
Same	<input type="checkbox"/>	Upright.....	<input type="checkbox"/>
		Inverted.....	<input type="checkbox"/>

The object is located 15 cm from the mirror having a focus of 6 cm.

Where is the image?

How tall is the image if the object is 1 cm tall?