Name: Anuj Sapkota Eloss: 8 Gallica Light Assignment-2 1: Define the following terms: a) Mirror A mirror is a reflective surface to from which light bounces oft and produces an image. Concave mirror Concave mirror is a convergion ng mirror which has a curved reflecting surbace. c) Convex mirror Convex mirror is a diverging mirror which has a bulged out reflecting surface. d. Center of curvature -> Center of curvature is the center of the hollow sphere of which the mirror a part. ... Scanned with CamScanner

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	e)	Radius of curvature	
1	-#	Radius of curvature is the	radius of
<b>j</b>	-#-	the hollow sphere.	
7	-	Principle axis.	
	-)	The line passing through the	. the
		The line passing through the center of curvature and	pole
		is called principle axis	***
	-		
9)	L to	ous	1.
	t	ocus is the point in which	15 Ol
		peam on light parallel to provis meets after reflec	incipale
		wis meets after reflec	ting.
	re	tection.	
		•	
h·)	Pol	le, bocal length	
		e, bocal length enter of sufface of mirro	or is called
	a	s pole.	¥1
$\rightarrow$	Foo	cal length is the distance	between
	1	cus and pole.	
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2.	Differentiate between real a	nd virtual image.
7	Real Image	Virtual Image
	They can be obtained on screen.	They cannot be obtained on Screen
	They are inverted.	They are crect.
3	A ray of light from an principal axis is parable reflection	The is really passing
	through the center,	n an object passing

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	2 year of convoice & convex
<u> </u>	List out any 3 uses of concave & convex
	mirrors each.
	Concave mirrors:
	- or For making astronomical
	1 0
	- For chaving & making cosmet is
	- For making solar cooker.
	Convex mirrors:
	- To make back view mimor indutomobiles
	- To make street light reflector.
	- To make magnibying glass.
	State the laws of refraction of light.
5	The incident ray, retracted ray & normal, all lie on the came plane at the
	me moderate on the came plane at the
	point of incidence.
	To ratio of sine of angle of incidence
-)	to the sine of angle of refraction box
	a given pair of media, is constant. The
	constant is called rebractive index.
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	Coopped with Core Coopper

