Sir Francis Drak	e High School	name here please	Fall 2014
Optics kits	5 pts per st	ation. 20 pts total.	
<ul><li>Draw the</li><li>Record the</li><li>Calculate</li></ul>	e object as descri e associated ray d he image distance e f using the "lens	; ped relative to lense/mirror. ped relative to lense/mirror. ped relative to lense/mirror. ped relative to lense/mirror. ped and object distances (cm) ped relation ped relative to lense/mirror. ped relative to lense	sing % error calculation.
1. Converging	lens with object	OUTSIDE of "f".	
d <sub>i</sub> = image distan	ce (cm)	f = focal length (calculated using e	equation)
d <sub>o</sub> = object dista	nce (cm)	f(stated) = (written on lense/mirror) _	
Note: for this st		utside of "f". udents should 'estimate" the image d ts have a hard time estimating distanc	_
d <sub>i</sub> = image distan	ce (cm)	f = focal length (calculated using e	equation)
$d_o = object distant$	nce (cm)	$f(stated) = (written on lense/mirror)_$	

**Instructor: Barton Clark** 

**Physics** 

3. Concave mirror, object is OUT d <sub>i</sub> = image distance (cm)	f = focal length (calculated using equation)
$d_0$ = object distance (cm)	f(stated) = (written on lense/mirror)
4. Concave mirror, object is INSI	
d <sub>i</sub> = image distance (cm)	f = focal length (calculated using equation)
$d_0$ = object distance (cm)	f(stated) = (written on lense/mirror)