

School				Mark (10)
Name		HKID		
Class (No.)		Date		

## C9 The Focal Length of a Convex Mirror

### Answers to Preview Questions

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

### Experiment 1 Locating the center of curvature of the convex mirror

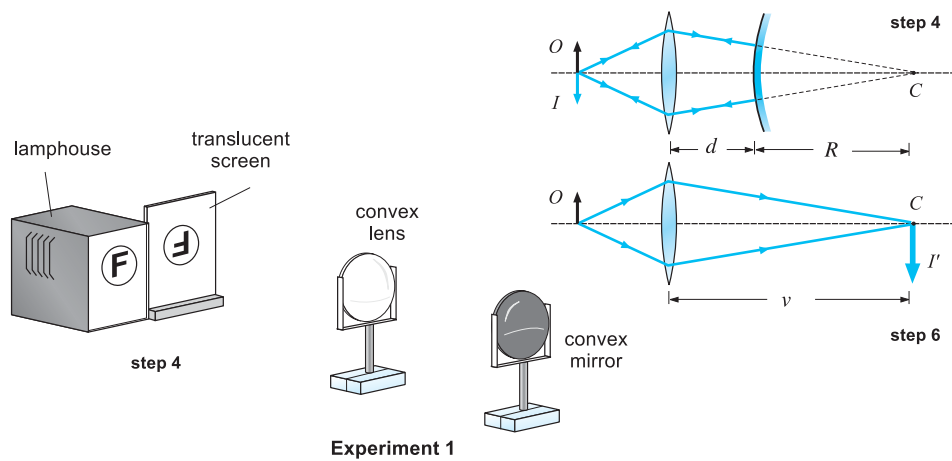


Table 1

#### Experiment 1 Step 9

Mean value of  $R$  \_\_\_\_\_

\_\_\_\_\_

Focal length,  $f$  \_\_\_\_\_

Experiment 2 Locating virtual image by no-parallax method

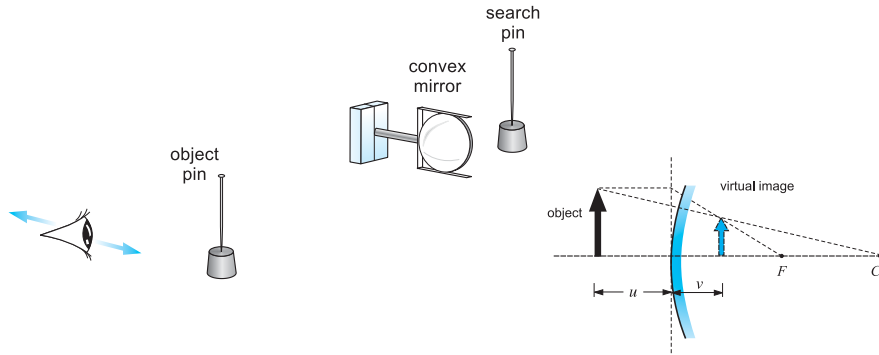
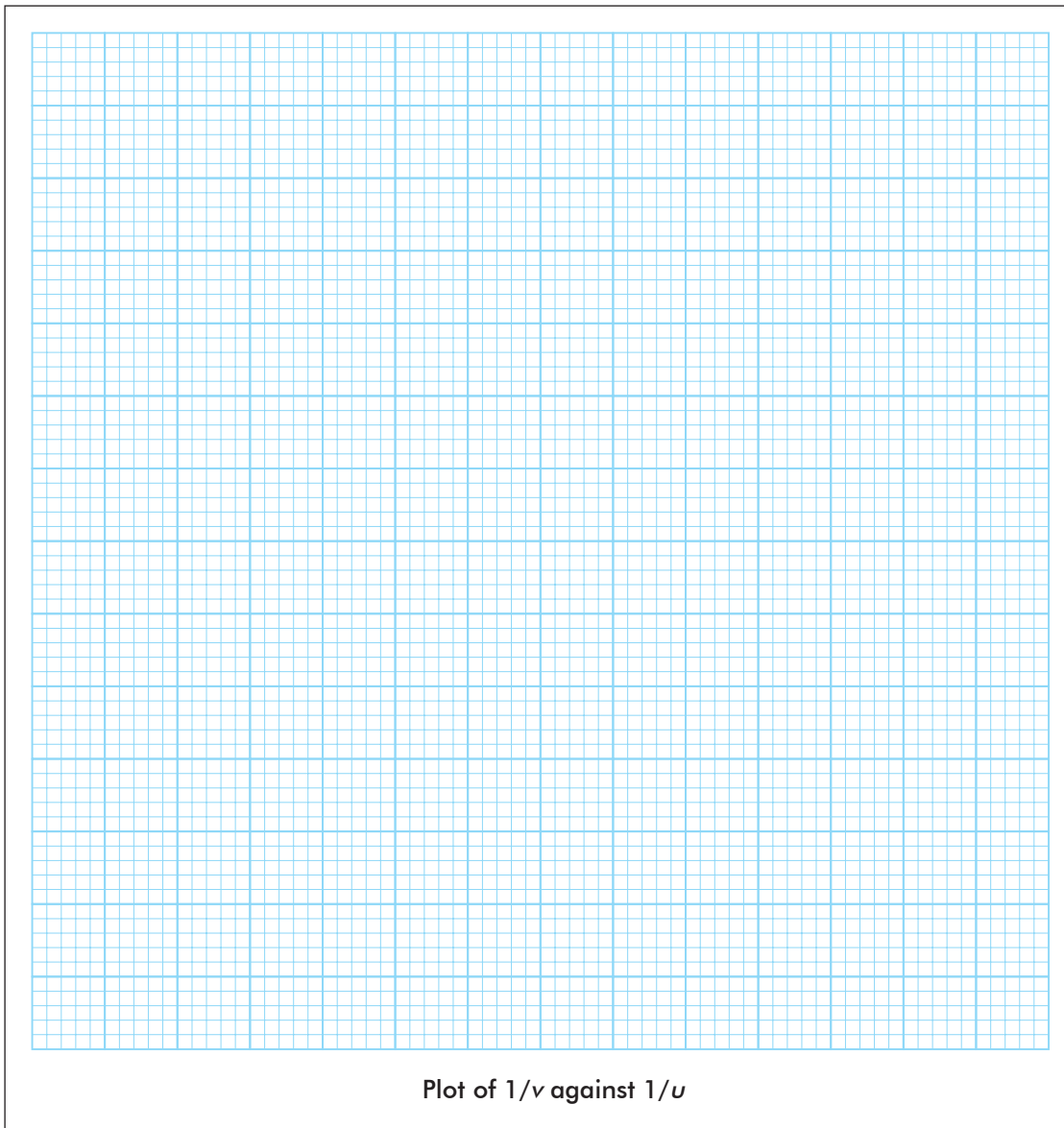


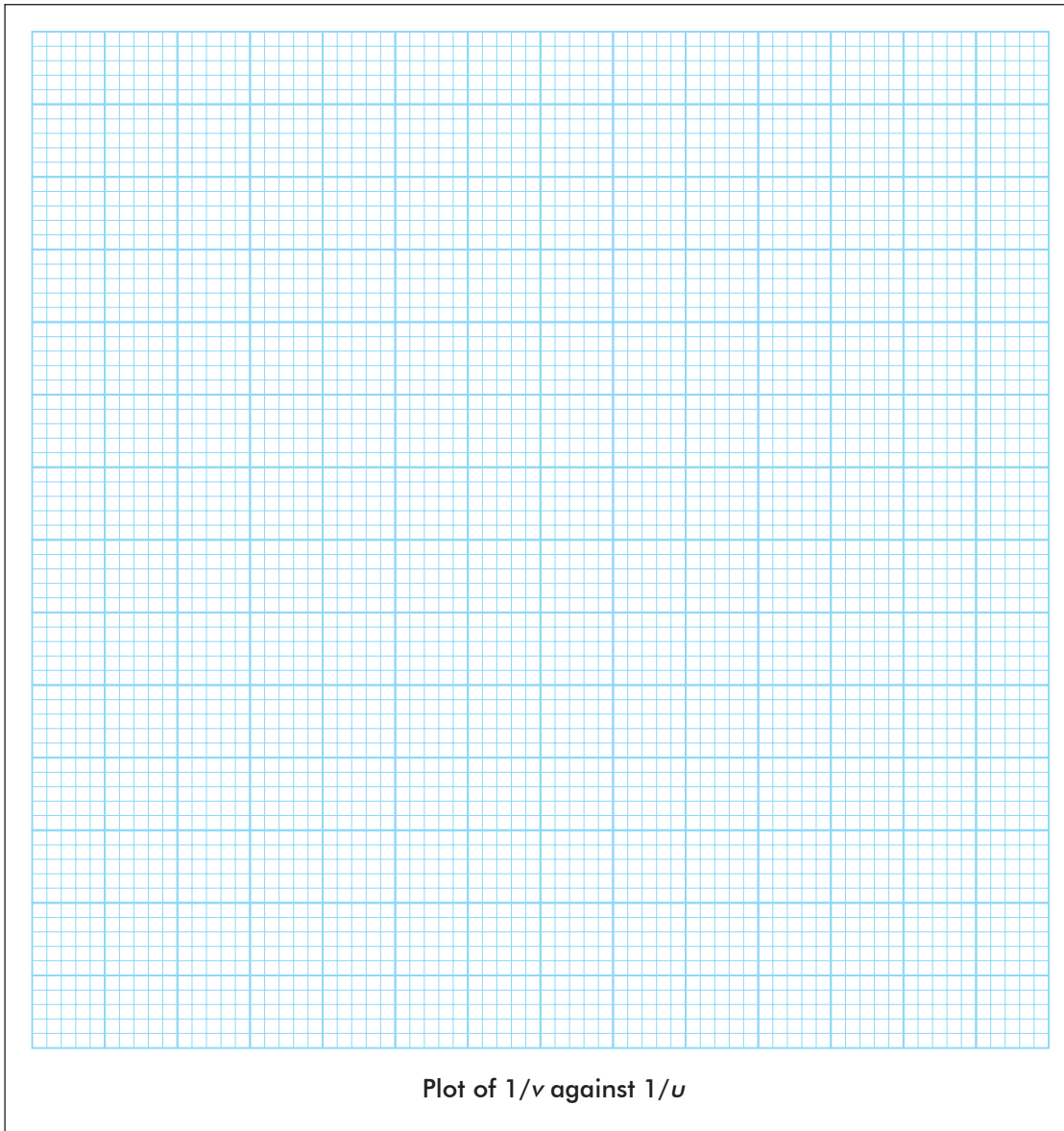
Table 2 Experiment 2

$u$ ( )						
$v$ ( )						
$1/u$ ( )						
$1/v$ ( )						





$u$ ( )						
$v$ ( )						
$1/u$ ( )						
$1/v$ ( )						



Intercept on the vertical axis \_\_\_\_\_

Focal length,  $f$  \_\_\_\_\_

Comment \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_