NAME: VICTOR ANTHONY.

DEPARTMENT: MECHATRONICS ENGINEERING.

ASSIGNMENT: COMPUTER SCIENCE.

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PHYSICS: MIRROR FORMULAR.

$$1/F = 1/U + 1/V$$

WHERE;

F = Focal Length

U = Distance of the object from the mirror

V = Distance of the image from the mirror

EXAMPLE; Calculate the focal length of a converging mirror if the distance of the object from the mirror is 20cm and the image distance from the mirror is 30cm.

SOLUTION

$$U = 20cm$$
 $V = 30cm$ $F = ?$