**Unit 5 – Waves: Quiz 5c**

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1. Sherlock Holmes examines a clue by holding his magnifying glass at arm’s length and 10.0 cm away from an object. The magnifying glass has a focal length of 15.0 cm. The height of the object is 1.00 cm. Find the image distance, height, and the magnification. Describe the image that he observes. Draw a ray diagram to confirm your results.



ANSWERS:

1. si = -30.0 cm; hi = 3.00 cm; M = 3.00; virtual; upright

