

Free pdf Ray diagrams for concave mirrors worksheet answers Full PDF

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plane mirrors name for each of the following cases draw a ray diagram to show how the light rays reach the observer and to show the position of the virtual image in the mirror trace at least two light rays from each object ray diagrams for concave mirrors for the following mirrors and corresponding object positions construct ray diagrams then describe the location of the image orientation upright or inverted of the image the relative size of the image larger or smaller than object and the type of image real or virtual answer c look at yourself in a plane mirror and you see your image it is upright the image is located on the other side of the mirror since reflected rays diverge upon reflection when mirrors produce images on the the opposite side of the mirror the images are said to be virtual university of houston main content mirrors 1391290 to investigate mirrors and identify them as shiny objects other contents uses of mirrors mirror equation worksheet 1 bobby places a 4 75 cm tall light bulb a distance of 33 2 cm from a concave mirror if the mirror has a focal length of 28 2 cm then what is the image height and image distance 2 van itee quite concerned about the pimple on his chin is looking into a concave mirror with

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reflection and mirrors review part a multiple choice 1 as the angle of incidence is increased for a ray incident on a reflecting surface the angle between the incident and reflected rays ultimately approaches what value 2 if you stand three feet in front of a plane mirror how far away would you see yourself in the mirror 3

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use the mirror equation and the magnification ratio to solve the following problems show your work 1 bobby places a 4.25 cm tall light bulb a distance of 36.2 cm from a concave mirror if the mirror has a focal length of 19.2 cm then what is the image height and image distance 2

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for each light ray incident to the mirror accurately draw the corresponding reflected ray use a protractor straightedge and the law of reflection for each reflected ray drawn in the diagram above use dashed lines to trace the reflected ray backwards behind the mirror

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the following downloadable pdf files represent a collection of classroom ready worksheets pertaining to the topic of reflection and mirrors worksheets are synchronized to readings from the physics classroom tutorial and to sublevels of the minds on physics internet modules

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the diagram below shows an incident ray hitting a plane mirror a using a protractor and ruler construct and label the normal to the mirror at the point of incidence on the diagram on your answer paper

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know the characteristics of the images formed for all types of mirrors plane concave and convex based on the location of the object 11 know the guidelines for drawing each type of ray for mirror and lens diagrams 12 know the relationship between the shape of a mirror or lens concave or convex and what it

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worksheet images in plane mirrors name for each of the following cases draw a ray diagram to show how the light rays reach the observer and to show the position of the virtual image in the mirror trace at least two light rays from each object

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ray diagrams for concave mirrors for the following mirrors and corresponding object positions construct ray diagrams then describe the location of the image orientation upright or inverted of the image the relative size of the image larger or smaller

than object and the type of image real or virtual

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answer c look at yourself in a plane mirror and you see your image it is upright the image is located on the other side of the mirror since reflected rays diverge upon reflection when mirrors produce images on the the opposite side of the mirror the images are said to be virtual

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