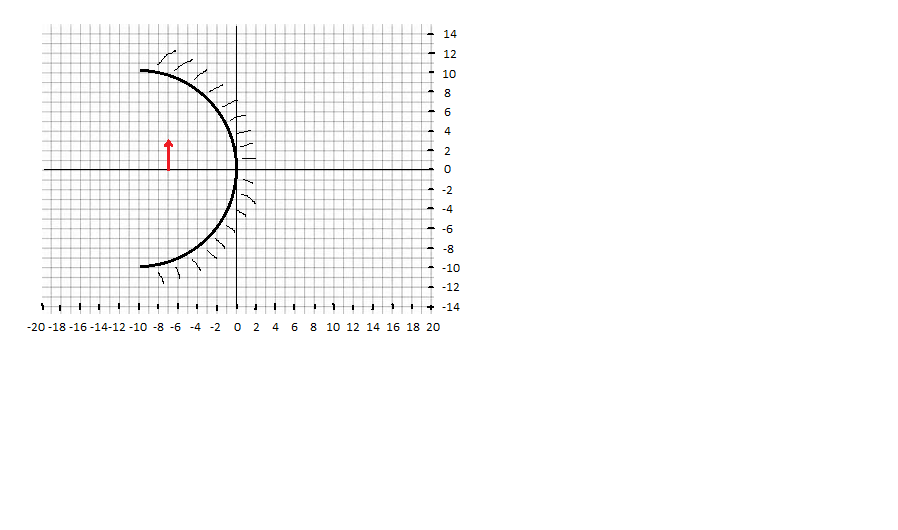
**Homework 8 never**

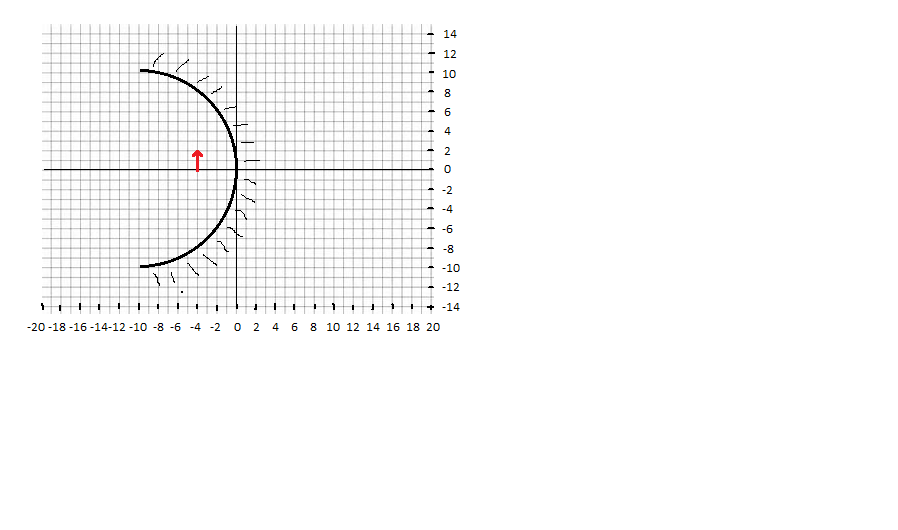
**Problem 1.** Consider the object below, in front of the concave mirror. (a) Using ray tracing alone, determine the location and size of the image. Fill your results into the table, with proper signs and all. Also state whether the image is real or virtual.

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| **xi** |  |
| **hi** |  |

(b) Now determine the position/height using the mirror equations. Are the results close?

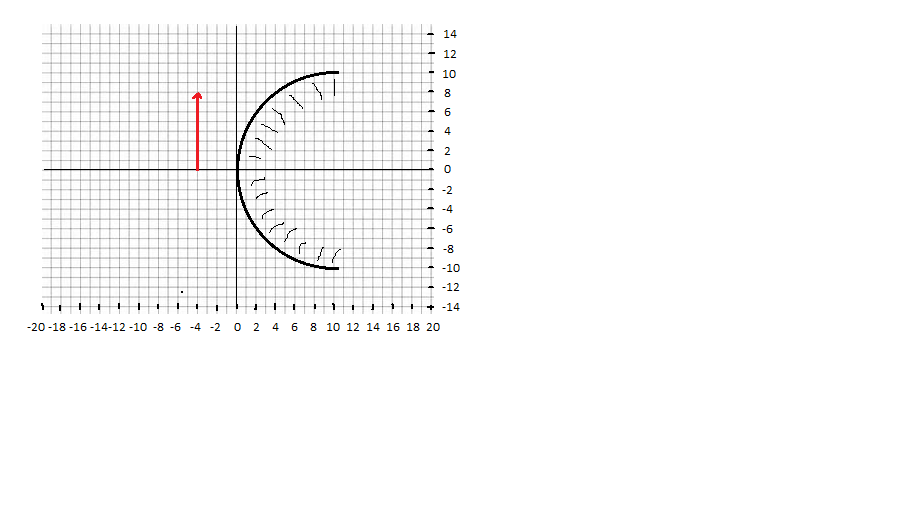
**Problem 2.** Consider the object below, in front of the concave mirror. (a) Using ray tracing alone, determine the location and size of the image. Fill your results into the table, with proper signs and all. Also state whether the image is real or virtual.

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| **xi** |  |
| **hi** |  |

(b) Now determine the position, height using the mirror equations. Are the results close?

**Problem 3.** Consider the object below, in front of the concave mirror. (a) Using ray tracing alone, determine the location and size of the image. Fill your results into the table, with proper signs and all. And then state whether the image is real or virtual.

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| **xi** |  |
| **hi** |  |

(b) Now determine the position, height using the mirror equations. Are the results close?