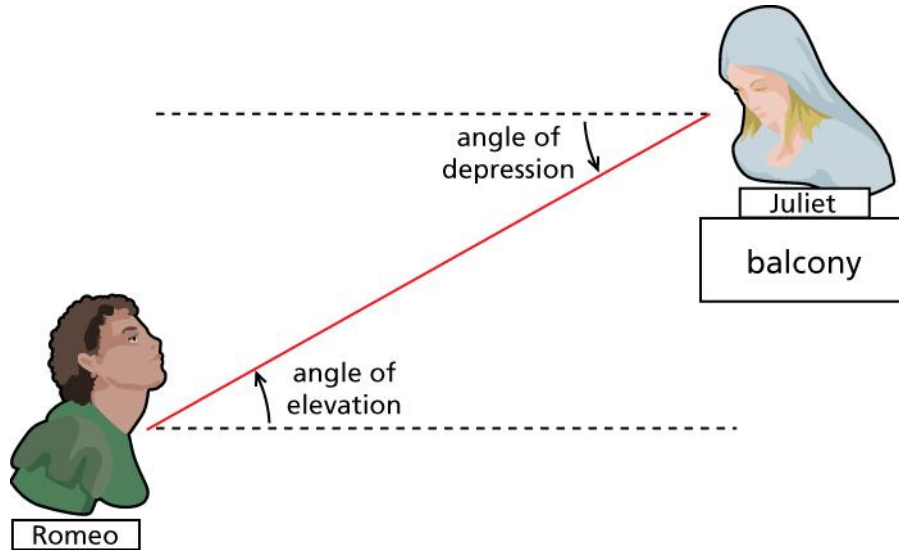


Try This 2 Possible Solutions

Steps 1 – 4: The following is a sample sketch. This shows a simple illustration of an angle of depression and an angle of elevation between Romeo (on the ground) and Juliet (on a balcony).



Step 5. You should notice that the angle of elevation and the angle of depression for a given line of sight are the same. This is an application of the concept that alternate angles are equal when a transversal intersects parallel lines.

In this case, the parallel lines are the horizontals from Romeo's perspective (at ground level) and Juliet's perspective (at balcony level). The transversal is the line of sight that they both share.