

Name _____ Date _____ Period _____

Protractor Practice

- For each of the sets of angles shown on this page, carefully measure the angle in degrees.
- Start from the baseline and measure upward. If you look carefully at the protractor, you'll see that degree measurements start from both the right and left sides of the protractor.
- The base line represents zero degrees, so if you measure an angle that is ten degree lines up from the base line, you record its angle as 10° and not as 170° .
- Assume for this set of problems that the horizontal line is the base line.
- The following lines will often need to be extended.
- Base lines must be extended far enough to the right and the left so they can line up with the zero degree mark on the protractor.
- Ray lines have to be extended so they go through the degree lines located around the outside curve of the protractor.
- These lines you extended should be done in pencil, and must match the original line exactly. They should look like a continuation of the same line.
- Draw your lines using a very fine pencil point.

The examples below show a right and a wrong way to extend lines.

Right Way

Wrong Way

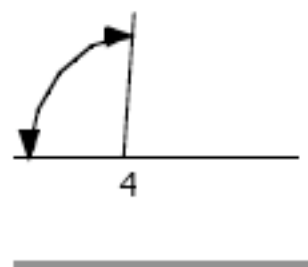
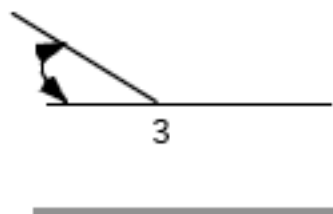
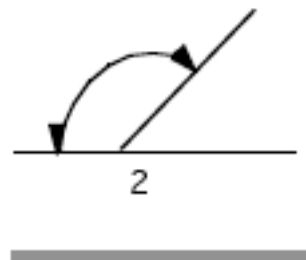
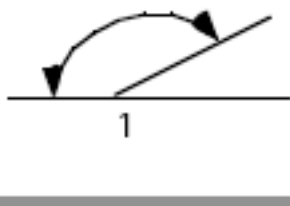
Original line

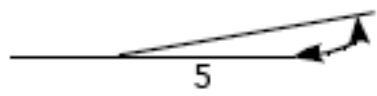
Extended line

Original line

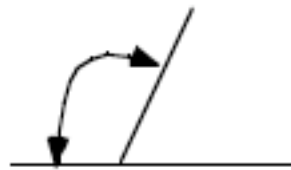
Extended line

- The arrows indicate which angle to measure on the diagram. Write the number of degrees on the gray line below each diagram.

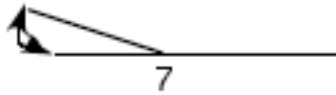




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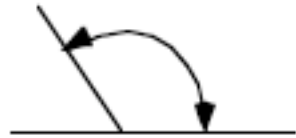
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