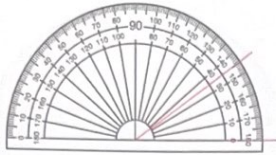


To estimate the measure of an angle, we can use 45° , 90° , and 180° as reference angles.

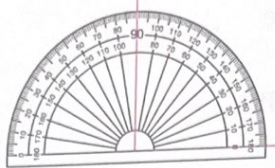
Practice

1. What is the measure of each angle? Explain how you know.

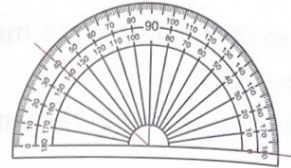
a)



b)



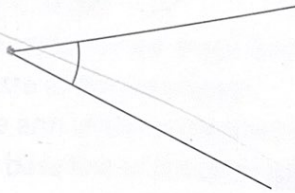
c)



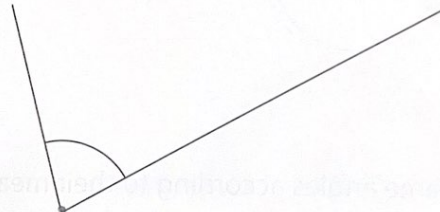
2. For each angle:

- Choose an appropriate reference angle: 45° , 90° , 180°
Estimate the size of the angle.
- Use a protractor to find the angle measure.
How close was your estimate to the actual measure? Explain.
- Name each angle as acute, right, obtuse, or straight.

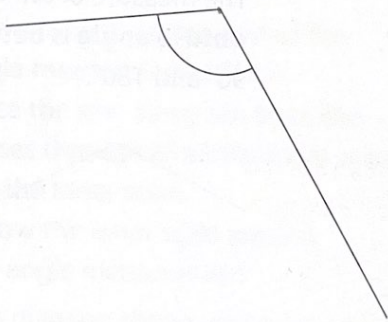
a)



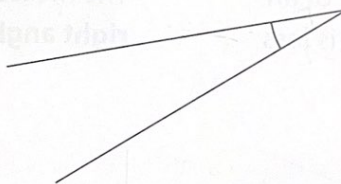
b)



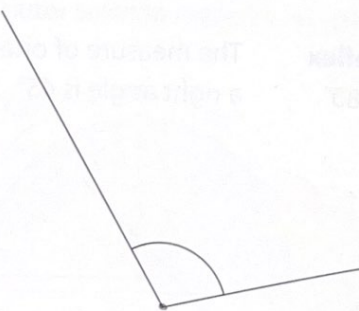
c)



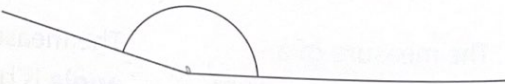
d)



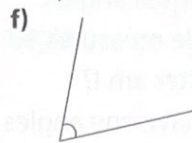
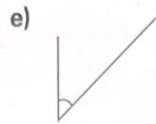
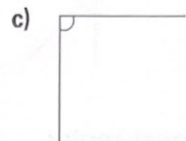
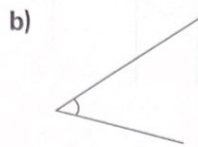
e)



f)

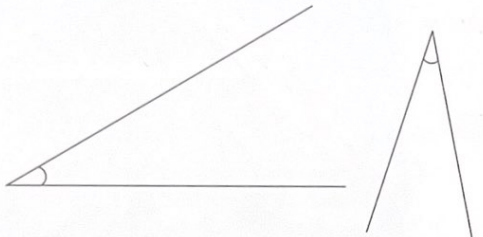


3. Which of these angles do you think measures 45° ?
Check your estimates with a protractor. What did you find out?

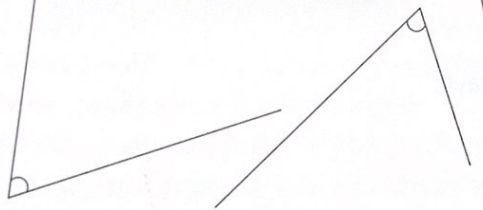


4. Measure each angle.
Do the angles in each pair have the same measure?

a)



b)



Do the lengths of the arms affect the measure of the angle? Explain.
Does the position of the angle affect the measure? Explain.

5. How can you tell whether you used the correct scale on the protractor to measure an angle?
Include an example in your explanation.

6. Use a protractor to find the measure of each reflex angle.
How can you check that your measure is correct?

