

Teacher Notes

Objective

- To reinforce geometric vocabulary.
- Investigate properties of reflections, and find relationships.

Introduction to Properties in Reflections

I use this activity in the beginning of the school year when introducing terminology such as angles, lines, segments, measures, perpendicular etc...

The original material is from the SIMMS Integrated Mathematics Using Technology, I have adapted the activities to fit my objectives. Students have been introduced to using Cabri jr on the calculator, but the sequence of steps are provided for user-friendliness.

The measurements of the angles $\angle ACQ$ and $\angle BCP$ should be equal.

The distance from the reflection of point P to D, and the distance from point P to D should be equal. This holds true for the distance from point Q to E and the reflection of point Q to E. Segment AB is the perpendicular bisector of the segments PP', and QQ'.

I introduce the diagram below to my students.

Q

