How can you make a ruler capable of measuring square roots?

Given: $y_{1}=1.6 x+2.8$ and $y_{2}=1.6 x-2$

Prove: The two lines are parallel.


Given: Two lines whose slopes when multiplied equal to negative one.
Prove: The two lines are perpendicular.


Can a single circle be drawn through any three non-colline ar points on the coordinate plane?

Before tackling the above task, let's start with the following:
Find the center of the circle that contains the points $(\mathbf{3}, \mathbf{6}),(\mathbf{1}, \mathbf{1})$, and $(\mathbf{5}, \mathbf{2})$

## 4 Classifying Triangles WITHOUT a Protractor

Given two edges of known length, what are the lengths for a third edge that will result in the formation of an obtuse triangle?

$\mathfrak{A s}$ before, let's start with a concrete version: Ulsing Geometry-Gased reasoning, show that a triangle with sides measuring 6, 20, and 23 is an obtuse triangle.

