Name:
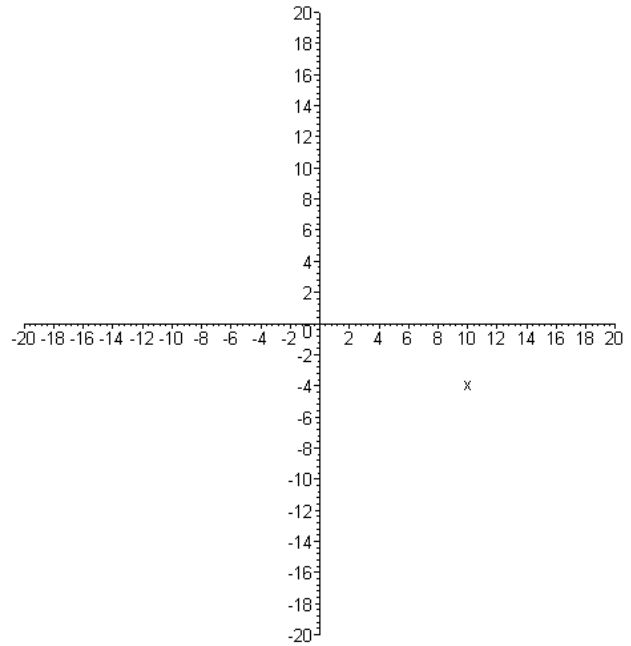
Quiz - Math Grade 11

1. (45%) Find the **area and perimeter** of a decagon (10 sides) inscribed in a circle with Radius 20 cm.

   a. (10%) Make a sketch to show your work.

   b. (20%) Find the area of the decagon.

   c. (20%) Find the Perimeter of the decagon.

2. (55%) Given the points H(-6, 16), F(14,6) and C(4, -14).

    a. (5%) Draw the points and sketch the triangle.

    b. (10%) Show (using slopes) that the triangle is right angled.

    c. (20%) Calculate the area and perimeter of the triangle.

    d. (20%) Find all the angles of the triangle.