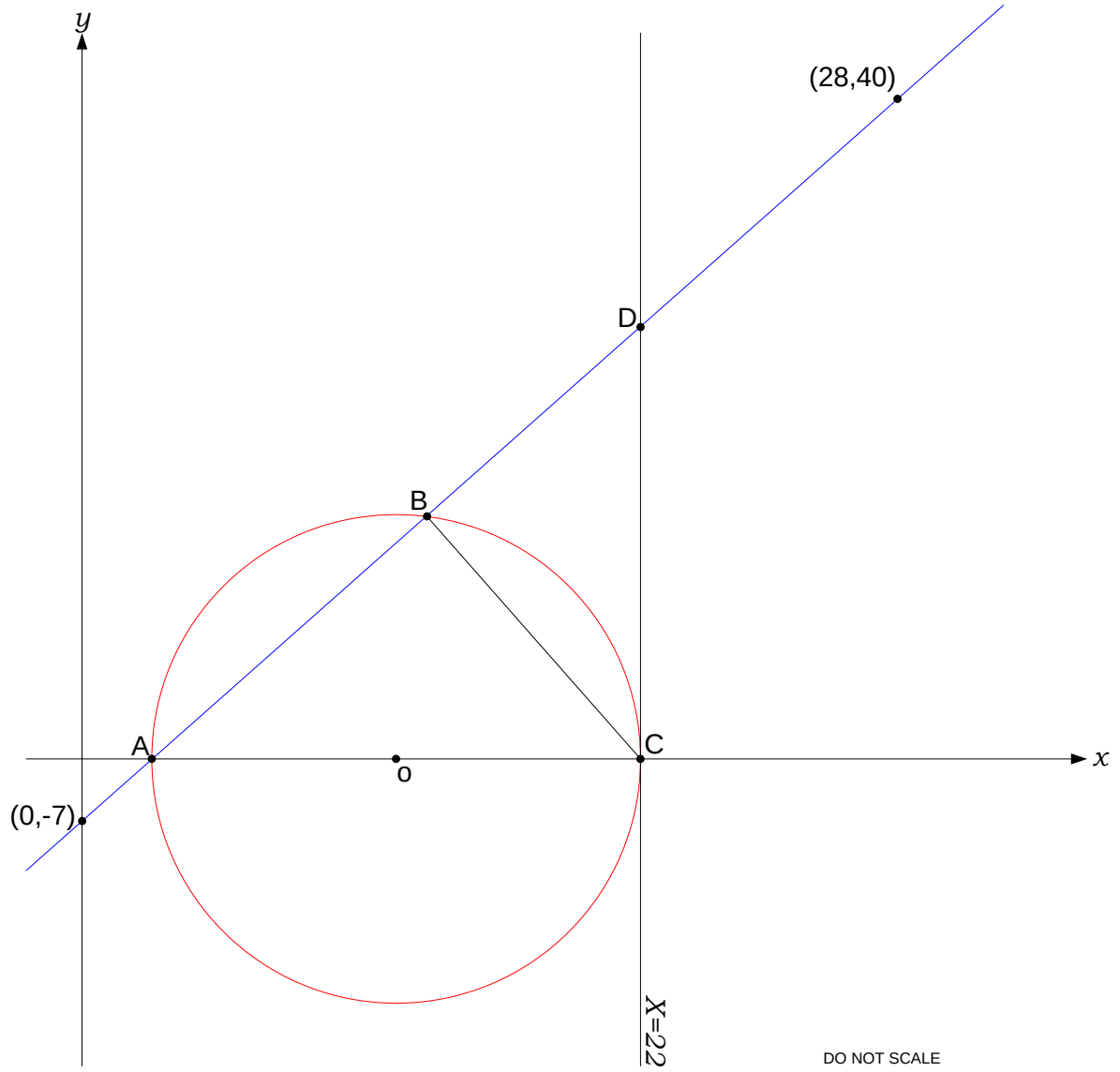

1. Triangle ABC is circumscribed by a circle whose centre is placed at O such that AOC form the diameter of the circle, which runs along the x-axis. AOC is subtended at B. Line AB is extended so that it runs through the points (0, -7) and (28,40). Point D is a point on the extended line AB such that CD forms the line, x=22. The co=ordinates on the x and y axes are placed at 1 cm intervals. What is the area of the circle outside the triangle ABC?

2. Triangle ABC is circumscribed by a circle whose centre is placed at O such that AOC form the diameter of the circle, which runs along the x-axis. AOC is subtended at B. Line AB is extended so that it runs through the points (-4, -7) and (28,25). Point D is a point on the extended line AB such that CD forms the line, x=15. The co=ordinates on the x and y axes are placed at 1 cm intervals. What is the area of the circle outside the triangle ABC?