



Problem of the Week

Problem D

Can You C It?

The line with equation $y = -\frac{3}{4}x + 18$ crosses the positive x -axis at point B and the positive y -axis at point A . The origin, O , and points A and B form the vertices of a triangle.

Point $C(r, s)$ lies on the line segment AB such that the area of $\triangle AOB$ is three times the area of $\triangle COB$.

Determine the values of r and s .

