



Problem of the Week

Problem D

The Area Within

Quadrilateral $ABCD$ is constructed as follows:

- vertex A is located at the origin;
- vertex C is at the intersection point of the lines $\ell_1 : 5x + 2y = 30$ and $\ell_2 : x + 2y = 22$;
- vertex B is at the intersection point of the y -axis and ℓ_2 ; and
- vertex D is at the intersection point of the x -axis and ℓ_1 .

Determine the area of $ABCD$.

