

Find the values of w , x , y , and z .¹

The x-coordinate of Point A is 9, which is also the intersection of lines

$$(1): 5x - 6y = a$$

$$(2): y = bx + b$$

where a and b are constants, and $b > 1$.

(1): In terms of a , the y-coordinate of A is w .

(2): The area of the triangle created by the two lines and the y-axis is $\frac{81}{4}$. Given this information, $a = x$ and $b = y$. Therefore, the coordinates of A is $(9, z)$.

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