Area with... Equations of Straight Lines



Area with... Equations of Straight Lines

		Shape	Area	Vertices	Equations
	1	Rectangle	8 cm ²	ВСНМ	x = 1 x = 3 y = -2 y = 2
	F 2	Trapezium	6 cm²	BCGM	x = 3 x = 1 y = 2 y = 3 - x
-2 G 4 6	× 3	lsosceles Triangle	8 cm²	CHF	x = 3 y = 2 y = x - 5
	4	Parallelogram	20 cm²	ACFJ	y = x y = x - 5 y = 2 y = -2
-3	5	Isosceles Triangle	9 cm ²	EFM	y = x - 5 $y = 3 - x$ $y = 2$
	6	lsosceles Triangle	12.25 cm ²	ADK	y = x y = 3 - x y = -2
 Complete the table with: the name of each shape, the area of each shape, 	on-	Trapezium	16 cm ²	ACHN or BCFM	
 the lettered vertices of each shape, the equations of the line segments that form each shape's perimet. The first shape in the table has been completed as an example.	er. 8	Trapezium	$17\frac{1}{3}$ cm ²	ADMR	y = 3x + 4 y = x - 3 y = 2 y = -2

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The lines above are drawn on a centimetre grid. Complete the table with:

- the name of each shape,
- the area of each shape,
- the lettered vertices of each shape,
- the equations of the line segments that form each shape's perimeter.

The first shape in the table has been completed as an example.

	Shape	Area	Vertices	Equations
1	Rectangle	8 cm ²	ВСНМ	x = 1 x = 3 y = -2 y = 2
2	Trapezium		BCGM	
3			CHF	
4	Parallelogram	20 cm²		
5	Isosceles Triangle	9 cm ²		
6			ADK	
7	Trapezium	16 cm ²		
8			ADMR	

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R ² NJH F ²	Trapezium	6 cm²	BCGM	x = 3 x = 1 y = 2 y = 3 - x
-2 G 4 6 X 3	Isosceles Triangle	8 cm²	CHF	x = 3 y = 2 y = x - 5
-1 E 4	Parallelogram	20 cm²	ACFJ	y = x y = x - 5 y = 2 y = -2
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The line of here and some second in the middle of the second seco	Isosceles Triangle	12.25 cm ²	ADK	y = x y = 3 - x y = -2
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