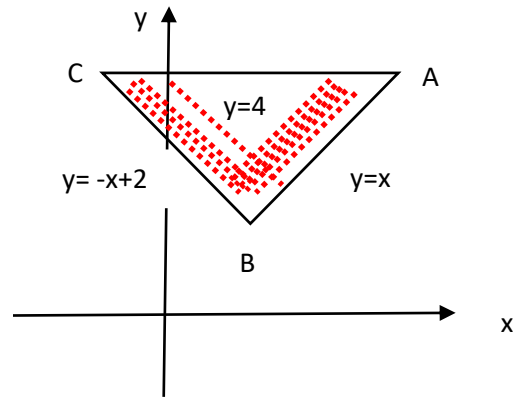


Area of Triangle

Evaluate:

1. The points
2. The Area of triangle



A	$\Rightarrow y = x$		A(4,4)
	$Y = 4$		
B	$\Rightarrow y = -x + 2$		$x = -x + 2$
	$y = x$		$2x = 2$ B(1,1)
			$x = 1$
C	$\Rightarrow y = 4$		$4 = -x + 2$
	$y = -x + 2$		$x = -2$ c(-2,4)

$$\frac{1}{2} \begin{vmatrix} 1 & 1 & 1 \\ 4 & 4 & 1 \\ -2 & 4 & 1 \end{vmatrix} = \{ 1(4 \cdot 4) - 1(4 \cdot 2) + 1(4 \cdot 4 + 2 \cdot 4) \} \frac{1}{2}$$

$$= \frac{1}{2} (-8 + 16 + 8) = 8$$