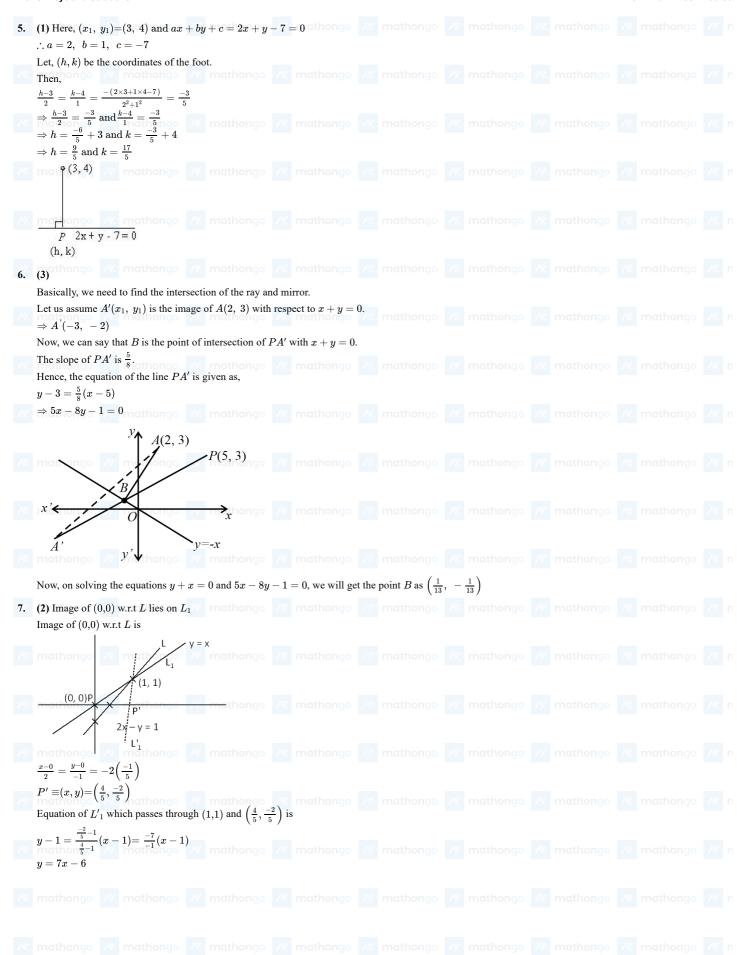


ANSWER KE	EYS	go ///.	7% manhango	///. marker go	74. marina go	///. munim reje) W. mindiengo W.
. (4)	2. (3)	3. (4)	4. (2)	5. (1)	6. (3)	7. (2)	8. (3)
. (8.00) thong	10. (3) athon						
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
1 1 -3 mar0.ong	$3\lambda 0$	$\begin{vmatrix} 1+3\lambda & -3\lambda \end{vmatrix}$					
$egin{array}{c} 3\lambda \ \Rightarrow (3\lambda+1) \end{array}$	$1+3\lambda \ \ -3\lambda$	(4-4) = 0 mathongo					
$\Rightarrow 12\lambda^2 - 7$	$7\lambda+1=0$						
	$0(4\lambda - 1) = 0$ $\frac{1}{4} \Rightarrow \text{Sum} = \frac{7}{12}$						
(3) The angle b $24x+7y-20$	pisector for the give $4x-3y-2$	en two lines $24x + 7y -$	20=0 and $4x-3y$	y-2=0, thongo			
Taking posi This equation	on of line is alread	y given.					
	•	es are concurrent with on $4 3u = 0 = 0 \text{ and } 2x = a$	•	•			
(4) 1 olint of	intersection of x -	+3y-y=0 and $2x-y$	1 - 4 = 0 is $(3, 2)$ if	$\cos \sin 4x + 0y - z =$	Mail Singo		
	is $x - 4y + 5 = 0$						
mathong	A C	B $3x + 4y = 9$					
	1	(x_1,y_1) from line					
Now shorte	c is $d = \left \frac{ax_1 + by_1 - c}{\sqrt{a^2 + b^2}} \right $ est distance of P(1,	2) from $3x + 4y = 9$ is					
	$\left \frac{3(1)+4(2)-9}{\sqrt{3^2+4^2}} \right = \frac{2}{5}$ $\Delta APB \text{ is an equila}$	ateral triangle Let ' a ' be	its side				
unen I B	$a, CB = \frac{a}{2}$ $PCB, (PB)^2 = (PCB)^2$						
(By Pythage	oras theoresm) a^2						
$a^2 - \frac{a^2}{4} =$ $a^2 = \frac{16}{75} \Rightarrow$	$\frac{\frac{4}{25} \Rightarrow \frac{3a^2}{4} = \frac{4}{25}}{a = \sqrt{\frac{16}{75}} = \frac{4}{5\sqrt{3}}}$	$\times \frac{\sqrt{3}}{\sqrt{3}} = \frac{4\sqrt{3}}{15}$					
: Length of	f Equilateral triang	$sle(a) = \frac{4\sqrt{3}}{15}$					



Answer Keys and Solutions





Answer Keys and Solutions

