

1.	If the equation (1) $\frac{\sqrt{11}}{2}$	n λx^2	$+(2\lambda-3)y^2$ -	-4x	-1 = 0 repres	ents a	circle, then its		$\begin{array}{c} \text{mathongo} \\ \text{is is} \\) \frac{\sqrt{13}}{2} \end{array}$							
	$\sqrt{2}$								3							
									$n^{\frac{1}{3}}$ athongo							
2.	The equation of		circle passing	throu	gh $(2,0)$ and $($	(0,4)	and having the									
	(1) $x^2 + y^2 =$								$x^2 + y^2 - 2x$							
	(3) $x^2 + y^2 =$	4						(4)	$x^2 + y^2 = 16$	3 //-						
3.	Let $P(x_1, y_1)$	and P	$(\mathbf{x}_2, \mathbf{y}_2)$ are tw	o poi	nts such that the	heir a	bscissas \mathbf{x}_1 and	$l_{\mathbf{x}_2}$ ar	e the roots of t	he eq	uation $x^2 + 2x$	-3 =	= 0 while the o	ordina	tes y_1 and y_2	are
	the roots of the	e equa	ation $y^2 + 4y$	- 12 =	= 0.Then the c	entre	of the circle w	ith PO	Q as diameter	is						
	(1) (-1, -2)							(2)) (1, 2)							
	(3) (1, -2)							(4)	(-1, 2)							
4.	The equation of	of circ	le which pass	es thro	ough the origin	and	cuts off interce	pts 5	and 6 from the	posit	ive parts of the	axes	respectively, is	8 ///		
			$(1)^2 = \lambda$, where		T Cattrionings			•			manningo		Tribitino 1130			
	$\left(x-\frac{1}{2}\right)^{-+}\left(x-\frac{1}{2}\right)^{-+}$								6							
	$(1) \frac{61}{4}$							(2)	$ \begin{array}{c} \frac{6}{4} \\ 0 \end{array} $							
	$(3) \frac{1}{4}$							(4)) 0							
5.	The length of	the di	ameter of the	circle	which touches	the 2	X−axis at the p	oint ((1, 0) and pass	es thr	ough the point	(2, 3)) is			
	$(1)_{a}\frac{6}{5}$ nongo							(2)	$1 \frac{5}{3}$ athongo							
	$(3) \frac{10}{3}$							(4)	0							
6.	A circle passes	s thro	ugh $(-2,4)$ an	d tou	ches the y-axi	is at (0, 2). Which or	ne of t	the following e	quatio	ons can represe	nt a d	iameter of this	circle	e ?	
	(1) $2x - 3y +$				mathongo				3x + 4y - 3		mathongo					
	(3) $4x + 5y -$								5x + 2y + 4							
7	-			.+(1	0) tanahas a		at (0 2) than				la ia					
17/	If a circle pass	sing tr	irougn the poi	11(-1	, 0) touches y	<i>j</i> -axis	at (0, 2), then			e circ	mathongo					
	(1) $\frac{5}{2}$) 5							
	(3) $\frac{3}{2}$) 3			_				
8.	T - 4 41 - 1 41												_			
0.									-ax + 2ay + c			2 and	$2\sqrt{5}$, respecti	vely.	Then the short	est //
0.									ax + 2ay + c x + 2y = 0, is			2 and	$2\sqrt{5}$, respecti	vely.	Then the short	est // r
0.	distance from (1) $\sqrt{11}$	origir	to a tangent t	o this	circle which is	s perp	endicular to the	e line (2)	x+2y=0, is	equa	ıl to :					
///.	distance from (1) $\sqrt{11}$	origir	to a tangent t	o this	circle which is	s perp	endicular to the	e line (2)	x + 2y = 0, is	equa	ıl to :					
	distance from (1) $\sqrt{11}$	origir	to a tangent t	o this	circle which is	s perp	endicular to the	(2) (4)	$x+2y=0$, is $\sqrt{7}$	equa	ıl to :					
	distance from (1) $\sqrt{11}$ (3) $\sqrt{6}$	origir /// 2,0),	mathongo $(0,1), (4,5)$ a	o this	circle which is $mathongo$ (k) are con-cy	s perp	mathongo	e line (2) (4) of k is (2)	x + 2y = 0, is $\sqrt{7}$ $\sqrt{10}$ ongo	equa	ll to : mathongo					
	distance from (1) $\sqrt{11}$ (3) $\sqrt{6}$ If the points (2)	origir /// 2,0),	mathongo $(0,1), (4,5)$ a	o this	circle which is $mathongo$ (k) are con-cy	s perp	endicular to the	(2) (4) of k is (2)	x + 2y = 0, is $\sqrt{7}$ $\sqrt{10}$ ongo	equa	ıl to :					
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