EMCF 42

1.	Give the	y-coordinate of the centroid for the region bounded by $y = x^2$ and $y = 4$.	
	a. 2		
	b. 1	1/5	
	c. 1	2/5	
	d. 1	3/5	
	e. 1	4/5	
	f. N	None of these.	
2.	Give the x-coordinate of the centroid for the region bounded by $y = x^2$ and $y = 4$.		
	a	1/5	
	b	1/10	
	c. 0		
	d. 1	/10	
	e. 1	/5	
		None of these.	
3.	Give the	Give the y-coordinate of the centroid for the region in the first quadrant bounded by	
	$y = x^2 +$	1 and $y = 3 - x^2$.	
	a. 2		
	b. 1	1/5	
	c. 1	2/5	
	d. 1	3/5	
	e. 1	4/5	
		None of these.	
4.		x-coordinate of the centroid for the region in the first quadrant bounded by	
	$y = x^2 +$	1 and $y = 3 - x^2$.	
	a. 1	/8	
	b. 1	/4	
	c. 3		
	d. 1		
		5/8	
		None of these.	
5.	Give the average value of the function $f(x) = x^2 - x$ over the interval [0,3].		
	a. 3	3/4	
	b. 1		
	c. 5	5/4	
	d. 3		
	e. N	None of these.	