Lear         1         2         3g         3a         4         5         6         7         8         9         10           Year         Rate         Motion         Grap / A         A-V         Table         Dif Eq         Misc         Vector         Polar         Series           1998 AB         5         .         66         .         2         .         4*         . <th>_</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Туре</th> <th></th> <th></th> <th></th> <th></th> <th></th>	_						Туре					
RateMotionGraµ GraµA-VTableDiff qMiscVectorPolarSeries1998 AC5-621*34*631999 AB154234*61331999 AB15423661010541999 AB12,3116*5511062000 AB2,2,42,311166*5513,62001 AB33,4,51206*51652002 AB23*4116551662002 AB23*41116551662002 AB323,4613536143362003 AB323,461354336132003 BC11353235433612003 BC2551133,461361361361361361361361361361361361111 <th>Exam</th> <th>1</th> <th>2</th> <th>3g</th> <th>3a</th> <th>4</th> <th></th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th>	Exam	1	2	3g	3a	4		6	7	8	9	10
1998 BC5621*4*31999 AB1542361999 AB523661999 BC216*52000 AB422,316*5 <th>rear</th> <th>Rate</th> <th>Motion</th> <th>Gra</th> <th>ph</th> <th>A-V</th> <th>Table</th> <th>Dif Eq</th> <th>Misc</th> <th>Vector</th> <th>Polar</th> <th>Series</th>	rear	Rate	Motion	Gra	ph	A-V	Table	Dif Eq	Misc	Vector	Polar	Series
1999 AB       1       5       4       2       3       6       1       4         1999 BC       -       5       2       3       6       1       4         2000 BC       2,4       2       1       6*       5       4       3,6         2000 BC       2,4       2       1       6*       5       4       3,6         2001 BC       3       3       4,5       1       2       6       6       1       -         2001 BC       3       3       4       1       2       5       5       1       6         2002 AB       2       3*       4       1       6       5       -       -         2003 AB       3       2       3,4       6       1       3       5       3       6         2003 AB       3       2       3,4       6       1       3       4       3       6         2003 AB       1       3       2       3       5       4       3       6       2       3       6         2004 AB       1       3       4       1       3       4       1       1	1998 AB	5		3	2	1*	3	4*	6			
1999 BC  <	1998 BC	5		6	2	1*		4*				3
2000 AB422,316*52000 BC2,4216*53,62001 AB334,5126612001 AB334,5125512002 AB23*416552003 AB323,4613552003 BC13532364	1999 AB		1	5	4	2	3		6			
2000 BC         2, 4         2         1         1         6*         5         4         1         3, 6           2001 AB         3         3         4, 5         1         2         6         6         1	1999 BC			5		2	3	6		1		4
2001 AB	2000 AB	4	2	2, 3	1	1		6*	5			
2001 BC <t< th=""><th>2000 BC</th><th></th><th>2, 4</th><th>2</th><th>1</th><th>1</th><th></th><th>6*</th><th>5</th><th>4</th><th></th><th>3, 6</th></t<>	2000 BC		2, 4	2	1	1		6*	5	4		3, 6
2002 AB23*416562003 AB323,46135562003 AB323,46135562003 BC415562004 BC1236662004 BC1662004 BC1666<	2001 AB			3	4, 5	1	2	6	6	1		
2002 BC23*415362003 AB323,461352003 BC44152362004 AB1353236432004 BC1236432004 BC1235432004 BC113,462004 BC113,462004 BC213,462005 BC213,46 <t< th=""><th>2001 BC</th><th></th><th>3</th><th>3</th><th>4</th><th></th><th>2</th><th>5</th><th>5</th><th>1</th><th></th><th>6</th></t<>	2001 BC		3	3	4		2	5	5	1		6
2003 AB323,461352003 BC4152362004 AB12364432004 BC1235432004 BC1235432004 BC12004 BC12004 BC21 <t< th=""><th>2002 AB</th><th></th><th></th><th>4</th><th></th><th>1</th><th>6</th><th></th><th>5</th><th></th><th></th><th></th></t<>	2002 AB			4		1	6		5			
2003 BC         Image: boot of the symbol of the symbo	2002 BC	2	3*	4	   	1		5		3		6
2004 AB         1         3         5         3         2         3         6         4         3            2004 BC         1          2         3         5         4         3          6           2005 AB         2         5         5          1         3,4         6          2         6           2005 BC         2         5         5          1         3         4          2         6           2006 BC         2         4         3         6         1         4         5*          3         6           2006 BC         2           1         4         5*          3         6           2007 BC         2           1         2,3         3          6           2007 BC         2           4         1         5           3         6           2008 BC         2         1         1,6          4         2         6	2003 AB	3	2	3, 4	6	1	3		5			
2004 BC12354362005 AB25513,462005 BC2551342006 AB243614 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>5</th> <th></th> <th>3</th> <th>6</th>									5		3	6
2005 AB         2         5         5         1         3,4         6         1         2         6           2005 BC         2         5         5         1         3         4         1         2         6           2006 AB         2         4         3         6         1         4         5*         1         3         4         1         2         6           2006 BC         2         1         4         5*         1         3         6         1         3         5         4         1         5         3         1         6         1         3         5         3         1		1	3	5	3				4			
2005 BC         2         5          1         3         4          2         6           2006 AB         2         4         3         6         1         4         5* <th></th> <th></th> <th></th> <th></th> <th></th> <th>2</th> <th>3</th> <th>5</th> <th>4</th> <th>3</th> <th></th> <th>6</th>						2	3	5	4	3		6
2006 AB2436145*1362006 BC2145*362007 AB242613,54362007 BC24153362007 BC241253362008 AB44612533,62008 BC44512,363,62009 AB2,311,6453,62009 BC21452009 BC114262010 BC1	2005 AB	2	5	5		1	3, 4	6				
2006 BC2145*1362007 AB242613,54151362007 BC2141512531362008 AB44612531362008 BC44512,36133,62009 AB2,311,64512,361362009 BC2116454136362009 BC211,64541366366366 <th>2005 BC</th> <th>2</th> <th>5</th> <th>5</th> <th></th> <th>1</th> <th>3</th> <th></th> <th></th> <th></th> <th>2</th> <th>6</th>	2005 BC	2	5	5		1	3				2	6
2007 AB         2         4         2         6         1         3,5         4              2007 BC         2          4         1         5           3         6           2008 AB          4         4         6         1         2         5         3             2008 AB          4         6         1         2,3         66           3,6           2008 AB         2,3         1         1,6          4         5           3,6           2009 AB         2,3         1         1,6          4         5		2	4	3	6	1	4					
2007 BC         2	2006 BC				   	1	4	5*		3		6
2008 AB44612532008 BC44512,363,62009 AB2,311,6453,62009 BC214542009 BC21542010 AB1,33,54252010 BC14252010 BC14252011 BC13*252011 BC2012 AB2013 BC<	2007 AB	2	4	2	6	1	3 <i>,</i> 5	4				
2008 BC         4         4         5         1         2,3         6           3,6           2009 AB         2,3         1         1,6         4         5         1         2,3         6          1         3,6           2009 AB         2,3         1         1,6         4         5         4         5         4         3         6           2009 BC         2         1          3,5         4         5         4         3         3         6           2010 AB         1,3          3,5         4         2         6           6           2010 BC         1          4         6         3*         2         5          3         6           2011 BC          1         4         6         3*         2         5          1         6           2012 AB          6         3         4         2         1         5         1         1         4         6           2013 AB         1         2         4         5         3<	2007 BC	2			4	1	5				3	6
2009 AB         2, 3         1         1, 6         4         5          6          6           2009 BC         2         1          5         4         3          6           2010 AB         1,3          3,5          4         2         6           6           2010 BC         1          4         2         5          3          6           2010 BC         1          4         2         5          3          6           2011 BC         1         4         6         3*         2         5          1         6           2011 BC          4         3*         2         5          1         6           2011 BC           3         4         2         1         5           4,6           2012 AB            1,4         5,4            4,6	2008 AB		4	4	6	1	2	5	3			
2009 BC         2         1          5         4          3          6           2010 AB         1,3         3,5          4         2         6 <t< th=""><th>2008 BC</th><th></th><th>4</th><th>4</th><th>5</th><th>1</th><th>2, 3</th><th>6</th><th></th><th></th><th></th><th>3, 6</th></t<>	2008 BC		4	4	5	1	2, 3	6				3, 6
2010 AB       1, 3       3, 5       4       2       6            2010 BC       1        4       2       5        3        6         2010 BC       1         4       2       5        3        6         2011 AB       1			1	1, 6		4						
2010 BC       1       1       4       6       3*       2       5        3        6         2011 AB       1       4       6       3*       2       5          6         2011 BC        4       6       3*       2       5        1        6         2011 BC         4       3*       2       5        1       6         2012 AB        6        1.4       5,4         4,6         2012 BC         3        1,4       5,4        2       4,6         2013 BC       1        3        1,4       5,4        2       4,6         2013 BC       1        3        3       5         2       6         2013 BC       1        3        5       4         2       6         2014 AB       1         3 <t< th=""><th></th><th>2</th><th>1</th><th></th><th></th><th></th><th></th><th></th><th></th><th>3</th><th></th><th>6</th></t<>		2	1							3		6
2011 AB1463*252011 BC43*25162012 AB6421562012 BC342154, 62013 BC1, 45,424, 62013 BC14364, 62013 BC1362013 BC12013 BC1	2010 AB	1, 3		3, 5		4	2	6				
2011 BC		1								3		6
2012 AB       6       3       4       2       1       5            2012 BC        3        1,4       5,4        2       4,6         2013 AB       1       2       4        5       3       6        4,6         2013 AB       1       2       4        5       3       6         4,6         2013 BC       1        4        5       3       6         2       6         2013 BC       1        4        3       5         2       6         2014 AB       1        3        5       4         2       6         2014 AB       1        3        5       4         2       6         2014 BC       1          3       4       6            2015 BC       1        <			1	4	6							
2012 BC	-					-				1		6
2013 AB       1       2       4       5       3       6            2013 BC       1       4        3       5         2       6         2013 BC       1        3       2       4,5       6       4        2       6         2014 AB       1        3       2       4,5       6       4            2014 BC       1        3        5       4 <td< th=""><th></th><th></th><th>6</th><th></th><th>4</th><th>2</th><th></th><th></th><th></th><th></th><th></th><th></th></td<>			6		4	2						
2013 BC       1       4       3       3       5        2       6         2014 AB       1        3       2       4,5       6       4        2       6         2014 BC       1        3        5       4         2       6         2014 BC       1        3        5       4         2       6         2015 AB       1         2       3       4       6            2015 BC       1          3       4       5       2        6         2015 BC       1             6         2016 AB       1										2		4, 6
2014 AB       1       3       2       4, 5       6       4           2014 BC       1       3       5       4        2       6         2015 AB       1       5       2       3       4       6           2015 BC       1        5       2       3       4       5       2       6         2015 BC       1          3       4       5       2       6         2016 AB       1       2       3         3       4       5       2       6         2016 AB       1       2       3         3       4       5       2       6         2016 AB       1       2       3         3       6         6         2016 BC       1                     2016 BC       1			2		   	5						
2014 BC       1       3       5       4        2       6         2015 AB       1       5       2       3       4       6        2       6         2015 BC       1        5       2       3       4       6        2       6         2015 BC       1        3       4       5       2       6         2016 AB       1       2       3       5       1,6       4*       5,6        6         2016 BC       1        3       5       1       4*       5       2       6											2	6
2015 AB         1         5         2         3         4         6             2015 BC         1         -         -         3         4         5         2         6           2016 AB         1         2         3         5         1,6         4*         5,6         -         6           2016 BC         1         3         5         1,4         4*         5,2         6								6	4			
2015 BC         1         Image: Marcine Science Scie							-				2	6
2016 AB         1         2         3         5         1,6         4*         5,6            2016 BC         1         3         5         1         4*         5         2         6				5		2						
<b>2016 BC</b> 1 3 5 1 4* 5 2 6										2		6
		1	2				1,6					
Rate Motion Graph g/a A-V Table Dif Eq Misc Vector Polar Series	2016 BC			-								
* Indicates these were not common questions 3g = graph stem: 3a = analytic stem		Rate	Motion	Grap	ng/a	A-V						Series

## AB & BC CALCULUS FR QUESTIONS BY TYPE - OPERATIONAL EXAM

\* Indicates these were not common questions. 3g = graph stem; 3a = analytic stem.

Туре		2003 AB	2003 BC	2008 AB	2008 BC	2012 AB	2012 BC
1.	Rate/Accumulation	82, 84	80, 82, 87	81	77	8, 81, 89	8,
2.	Linear motion	25, 76, 83, 91	87, 91	7, 82, 87	85, 87	6, 16, 28, 79, 83, 89	2, 89
3.	Graph analysis (Graph stem or analytic stem)	3, 7, 10, 13, 15, 17, 19, 20, 21, 22, 24, 28, 77, 81, 87, 88, 89, 92	13, 18, 19, 76, 86, 88, 90	6, 9, 10, 11, 14, 17, 18, 20, 21, 24, 25, 80, 84	6, 9, 14, 21, 25, 76, 78, 80, 91, 92	2, 5, 15, 17, 21, 22, 24, 26, 76, 78, 80, 83, 82, 84, 85, 87	3, 11, 12, 15, 12, 18, 21, 76, 78, 80, 81, 84, 88, 89
4.	Area /volume	86	89	83	11, 83	10, 92,	87
5.	Table & Riemann Sum	18, 85, 90	25, 79, 83, 85	10, 14, 85, 86, 90	8, 14, 22, 88, 90	8, 86, 91,	8, 81, 86
6.	Differential Equations (includes slope field)	12, 19	5, 12, 14, 21	22, 23, 27	7, 24, 27, 86	23, 25	12, 14, 16, 23,
7.	Other: Implicit, RR, families, roc, avg, theorems, et al.	78, 80	15, 78, 92	6, 14, 88, 89, 92	6, 10, 14, 89	27, 77, 88	4, 7, 11, 12, 77, 82, 85, 92
8.	Parametric		4, 7, 17, 84		1, 5, 28		2
9.	Polar				26		26, 91
10	. Sequences and Series		10, 11, 20, 22, 24, 28, 77		4, 12, 16, 20, 23, 79, 82, 84		5, 9, 13, 17, 22, 27, 79, 90,
11	. Limits & Continuity	3, 6, 79	2, 81	1, 5, 19, 25	3, 25, 78	5, 9, 11, 21, 77	11, 21, 28, 83,
12	. Compute Derivative ( <u>inverse</u> )	1, 4, 9, 14, 16, 23, 26, <u>27</u>	1, 9, 16, 27, 79	3, 8, 12, 13, 16, 18, 26, <u>28</u>	1, 10, 15, 17, 18, 90, 92	1, 4, 7, 14, 18, 19, <u>20</u> , 27, 78	1, 7, 17, 19, 26, 77, 92
13	. Compute Integral	2, 5, 8, 11, 22	3, 6, 8, 23, 26	2, 4, 15, 79, 81, 85, 91	13, 19, 22, 81	3, 12, 13, 17, 90	3, 6, 10, 16, 18, 20, 24, 25
	Туре	2003 AB	2003 BC	2008 AB	2008 BC	2012 AB	2012 BC

## AB AND BC MULTIPLE-CHOICE BY TYPE - SECURE EXAMS

Туре	2013 AB	2013 BC	2014 AB	2014BC	2015 AB	2015 BC
1.Rate/Accumulation	81	13, 27, 81	12, 81, 85	81, 89	78	78,
2.Linear motion	8, 10, 80, 85	91	14, 27, 76, 85, 90	86, 88, 90,	26, 83,	
3.Graph analysis (Graph stem or analytic stem)	5, 8, 11, 13, 19, 21, 24, 28, 76, 79, 80, 82, 84, 87, 88, 92	6, 13, 18, 20, 24, 76, 79, 84, 85, 91	5, 9, 11, 15, 19, 22, 24, 78, 82, 84, 86, 87, 88	5, 9, 19, 76, 80,82, 88, 91	9, 14, 19, 20, 22, 23, 80, 82, 85, 86, 87, 88, 92	1, 14, 22, 26, 77, 80, 85, 87, 88, 92
4.Area /volume	89	78, 89	79, 89	16, 78, 79,	21, 81	81, 84
5.Table & Riemann Sum	15, 83, 86	77, 83, 86	12, 80, 91, 92	12, 21, 86. 92	4, 27, 77, 79,	4, 86, 92
<ol> <li>Differential</li> <li>Equations</li> <li>(includes slope field)</li> </ol>	25, 81, 90	7, 9, 21, 25, 81	18, 28	23, 77, 83,	8, 18, 24,	9, 13, 18, 24,
7.Other: Implicit, RR, families, roc, avg, theorems, et al.	22, 77, 92	21, 22, 28, 80, 85	21	13, 15, 84	12, 16, 17, 28, <b>76</b> , 90, 92	2, 5, 21, 27, 76, 82, 90, 91
8.Parametric		8, 28, 87		85		8, 17
9.Polar		88		16, 25		15,
10. Sequences and Series		3, 11, 15, 19, 23, 26, 82, 90		6, 10, 14, 17, 22, 24, 27, 87,		10, 16, 19, 20, 28, 79, 83, 89,
11. Limits & Continuity	1, 9, 12, 17, 84	12, 14, 17, 77	5, 7, 10, 16, 20	3, 5, 7, 11,	5, 11, 15, 89	12, 25
12. Compute Derivative (Inverse)	2, 4, 7, 14, 15, 16, 17, 18, 19, 20, <u>23</u>	1, 4, 5, 17, 18, 22, 28, 85	2, 3, 13, 17, 20, 23, 25, 26, <u>92</u>	2, 15, 20, 26, <u>28</u> , 80	2, 7, 10, 13, 25, 79,	2, 7, 17, 23, 25, <u>27</u>
13. Compute Integral	3, 6, 13, 21, 23, 26, 27, 78, 91	2, 6, 10, 13, 16, 27, 92	1, 4, 6, 8, 77, 83	1, 4, 8, 18, 89, 92	1, 2, 6, 84, 91	3, 6, 11, 21, 86
Туре	2013 AB	2013 BC	2014 AB	2014BC	2015 AB	2015 BC

Туре	2016 AB*	2016 BC*		
1. Rate/Accumulation	6, 76, 80, 85	4, 82, 84		
2. Linear motion	5, 12, <b>79</b> , 86,	3, 12, 15, <b>79</b> ,		
3. Graph analysis (Graph stem or analytic stem)	4, 14, 78, <b>79</b> , 81, 82, 88, 90	13, 15, 27, 78, <b>79</b> , 81, 89,		
4. Area /volume	7, 23, 28,			
5.Table & Riemann Sum	6, 21, <b>30</b> , 89	6, <b>29</b> , 77,		
<ol> <li>Differential</li> <li>Equations</li> <li>(includes slope field)</li> </ol>	16, 17, 22,	16, 28, 77,		
7.Other: Implicit, RR, families, roc, avg, theorems, et al.	3, 8, 14, 19, 25, 27, <b>80</b> , 89,	5, 13, 25, <b>82</b> , 85, 89		
8. Parametric, Vector		7, 88,		
9.Polar		18, 26, 80		
10. Sequences and Series		8, 10, 14, 20, <b>22</b> , 30, 90		
11. Limits & Continuity	15, 19, 24, 77, 83, 90	24, 83, 86, 89		
12. Compute Derivative (Inverse)	2, 13, 18, 19, 20, 21, <u>29</u> , <b>87</b> ,	1, 3, 5, 19, <b>87</b> ,		
13. Compute Integral	1, 9, 10, 11, 26, <b>26</b> , 84,	2, 9, 11, 14, 17, 21, <b>23</b> , 76,		
Туре	2016 AB*	2016 BC*		

Note: Some questions listed under more than one type.

\*For 2016: Bold numbers are new topics or new style questions based on the 2016-17 CED

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