

SWSC MATHLETES ORAL TOPICS 2026-2027

CONTESTS 1 & 3

Functions and Their Graphs (jr/sr)

<u>Finite Mathematics w/Applications</u>	1. 3.1-3.3	pgs. 130-163
Lial, Hungerford, Holcomb	3. 3.4-3.5	pgs. 163-179
Pearson-Addison Wesley, 2007, 9 th Ed.	5. 3.1-3.5	pgs. 130-179
ISBN: 0-321-38672-8		

Logic (jr/sr)

<u>Discrete Mathematics</u>	1. 10.1-10.2	pgs. 529-546
Dossey, Otto, Spence, Vanden Eynden	3. 10.3	pgs. 546-559
Pearson-Addison Wesley, 2006, 5 th Ed.	5. 10.1-10.3	pgs. 529-559
ISBN: 0-321-30515-9		

Matrices (fr/so)

<u>Finite Mathematics w/Applications</u>	1. 6.3	pgs. 325-332
Lial, Hungerford, Holcomb	3. 6.4	pgs. 333-346
Pearson-Addison Wesley, 2007, 9 th Ed.	5. 6.3-6.4	pgs. 325-346
ISBN: 0-321-38672-8		

CONTESTS 2 & 4

Conic Sections (jr/sr)

<u>Pre-Calculus</u>	2. 7.1-7.3	pgs. 498-515
Stitz, Zeager Open Source Mathematics	(intro/circles/ellipses)	
Open Source Link	4. 7.4-7.5	pgs. 516-548
	(parabolas/hyperbolas)	
	5. 7.2-7.5	pgs. 498-548
	(all conics)	

Graph Theory (jr/sr)

<u>Discrete Mathematics</u>	2. 4.1-4.2	pgs. 154-181
Dossey, Otto, Spence, Vanden Eynden	4. 4.3-4.4	pgs. 181-202
Pearson-Addison Wesley, 2006, 5 th Ed.	5. 4.1-4.4	pgs. 154-202
ISBN: 0-321-30515-9		

Equations (fr/so)

<u>Finite Mathematics w/Applications</u>	2. 1.6	pgs. 45-56
Lial, Hungerford, Holcomb	4. 1.7	pgs. 56-65
Pearson-Addison Wesley, 2007, 9 th Ed.	5. 1.6-1.7	pgs. 45-65

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