AGLOA PRACTICE Equations Judges Certification Test Odd Year Variations

Special Instructions

- **1.** You may use a **variation sheet** during the test but no other notes or printed materials.
- 2. You may write in this test booklet and/or use scratch paper.
- **3.** You may take as much time as you need to complete this test.
- **4.** Do not assume any variations are in play other than those listed in the question except for the Sideways and Upside-down variations in Junior and Senior Divisions.
- **5.** If a question asks which Solution equals a given Goal, assume the use of cubes is not an issue unless the question explicitly deals with correct cube usage.
- **6.** Throughout this test, ^ means the same as * in older games. ✓ means root.

Depending on which division(s) you wish to qualify for, you will answer certain sections of the test as indicated in the following table. If qualifying for Middle only, skip questions 26-28. If qualifying for Junior or Senior Divisions, skip questions 26-30.

Divisions	No. of Questions	Which Questions
Elementary only	28	#1-28
Middle only	32	#1-25, 29-35
Elementary and Middle only	35	#1-35
Junior only	34	#1-25, 31-39
Junior and Senior only	38	#1-25, 31-43
All four divisions	43	#1-43

All Divisions answer questions 1-25.

1.

2.

A. 6

paper.

B. 5

A. All Equations must be presented before any is checked.

Which statement is *false*?

Tom challenges Now against Jane. Tom presents an Equation that is proved incorrect.

Pam, the Third Party, presents a correct Equation. How many points does Pam score?

B. A player checking an Equation should not make any marks on the Equation-writer's

C. 4

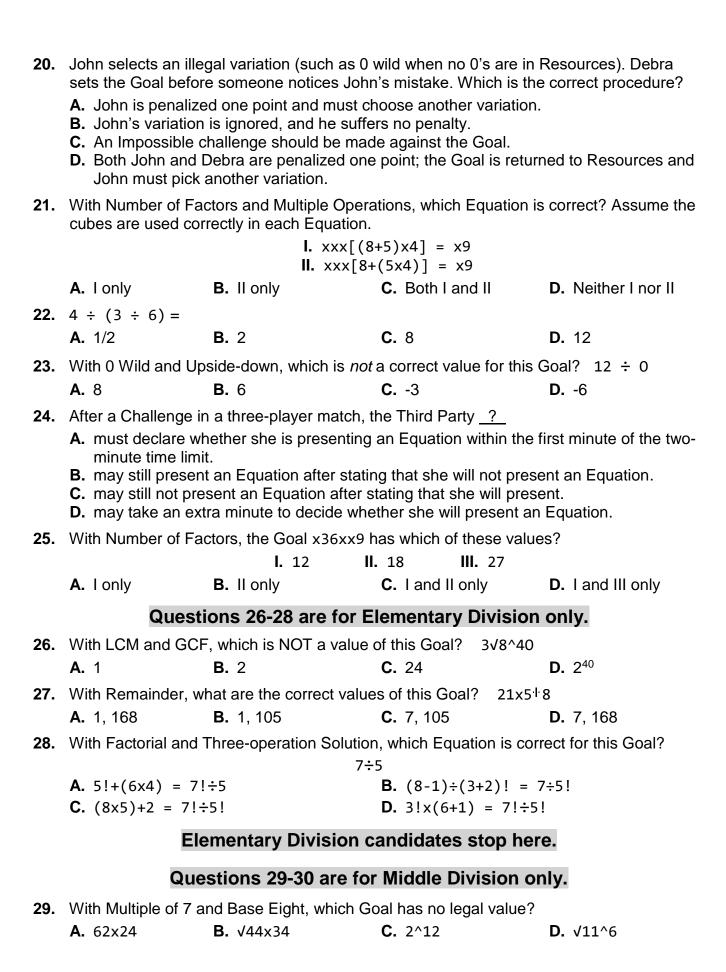
D. 2

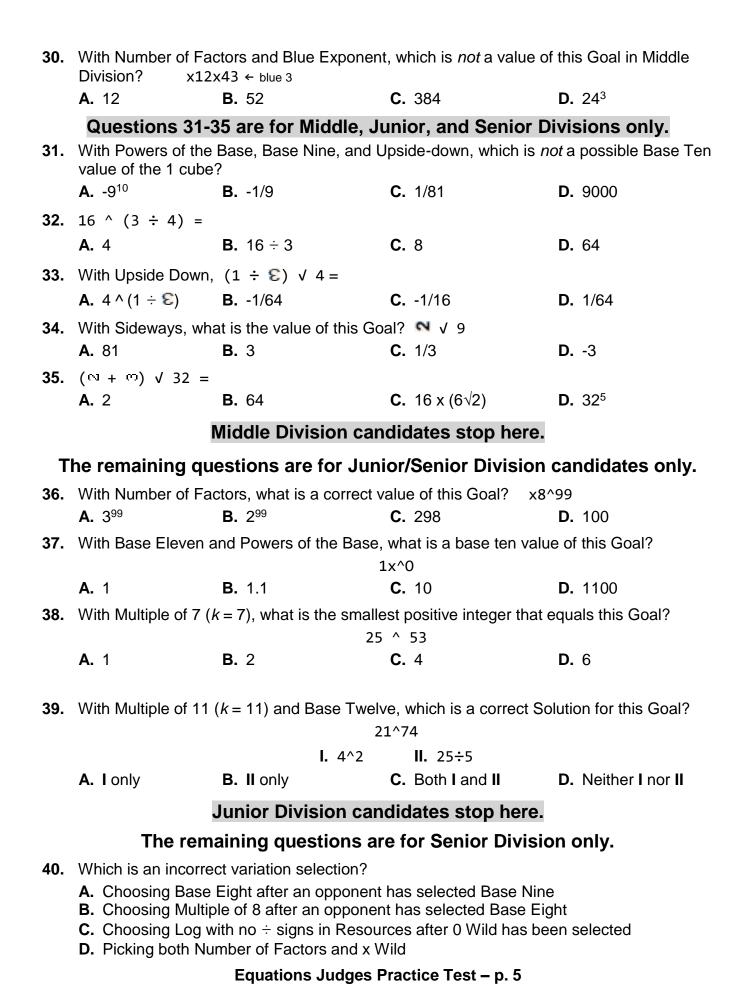
	C. In two-way matches, a player attempting to challenge does not need to pick up the challenge block.						
	D. Once a player p	presents an Equation to	the opponent(s), he may writing Equations has n				
3.	4 √ (3 ^ 12) =						
	A. 81	B. 27	C. 18	D. 9			
4.	Which statement a	bout Bonus moves is tru	ie?				
	A. If you make a Bonus move when leading the match and an opponent charges illegal						
	procedure, you must return the second cube to Resources. B. The Goal-setter may always make a Bonus move to Forbidden before setting the Goal.						
			ed, Permitted, or Forbido as an additional minute t				
5.	An Impossible Cha	llenge <u>?</u>					
	•	de against the Goal right					
	•	nly after a cube has bee		es			
	C. may not be made when less than two cubes remain in Resources.D. may be made within one minute after the last cube from Resources has been moved to Required or Permitted.						
6.	Which Goal has no	defined interpretation?	(Assume 0 Wild is not in	n effect.)			
	A. 4√ 0-3	B. 3√1–9	C. 7-9 ^0	D. 2−5√0			
7.	If the Multiple opera	ations variation is chose	n, which statement is <i>tru</i>	ue?			
	 A. Each Solution-writer must indicate in writing that an operation sign is being used must ple times in his Equation. B. After an Impossible challenge, any operation sign in Resources may be used many times in any Solution. C. After a Now challenge, an Equation-writer may not use an operation sign from Resources multiple times in his Solution. D. If Factorial is also chosen, the factorial symbol (!) may be used at most twice in any 						
	Equation.	onoccii, the factorial	symbol (:) may be asea	at most twice in any			
8.	With Sideways cub	ith Sideways cube, what does this expression equal? № + ጦ – ഥ					
	A. 4 ÷ 5	B. 1 ÷ 30	C. 31÷ 30	D. 19 ÷ 30			
9.	A match ends in a	three-way tie. What doe	s each player score for t	he round?			
	A. 3	B. 4	C. 5	D. 6			
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	A. -16	B. -10	C. -4	D. 2		
11.	 Joe challenges Now. Before the Third Party decides what to do and before the time expires for presenting Equations, Joe presents his Equation. What happens? A. The Third Party may not present an Equation, and Joe is penalized a point. B. Joe is penalized a point and must wait for the Third Party to decide whether to present an Equation. C. The Third Party may not present an Equation, and Joe is not penalized a point. D. Joe is not penalized any points, but the Third Party must still be allowed to present an Equation. 					
12.	Which Equation is a	•				
	A. 0+5-7=1-3	B. (6-4)x2-1=3	C. $3x5 \div 1 + 0 = 15$	D. 9-6^1=3		
13.	What happens when a player's time runs out for making a move? (Assume a ten-second warning was given.) A. The player loses one point and forfeits her turn. B. The player forfeits her turn but does not lose a point. C. The player loses one point and receives one more minute to move. D. The player receives one more minute to move but does not lose a point.					
14.	Which expression e	equals 0?				
	A. 9√0	B. 0^0	C. 7^0	D. 0√6		
15.	With Factorial, which	ch Equation is <i>not</i> correc	et for this Goal? 30			
	A. 4! + 3! = 30	B. $6! \div 4! = 30$	C. 3!! + 4! = 30	D. $3!! \div (6x4) = 30$		
16.	A shake ends in a forceout. All three players – Corey, Jane, and Phyllis – present Solutions. Which is one correct way for them to begin checking Solutions? A. Corey checks Jane's Solution while Phyllis checks Corey's and Jane checks Phyllis'. B. Corey and Jane check Phyllis' Solution while Phyllis checks Corey's. C. Phyllis and Jane check Corey's Solution while Corey times them. D. Jane checks Phyllis' Solution while Corey checks Jane's and Phyllis times them.					
17.	 Which statement is <i>true</i> about challenges? A. A player who makes a Now challenge with one cube left in Resources is penalized one point. B. In a three-player match, you may challenge only on your turn. C. No challenges may be made after the last cube in Resources has been moved to Permitted or Required. D. If a player makes a move, then challenges before the next move, the challenge is set aside and play continues with no penalty. 					
18.		st cube in Resources to ect. How many points do B. 4				
19.	. What is the maximum number of cubes allowed in a legal Goal?					
	A. 4	B. 5	C. 6	D. 7		

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10. With Upside-down, $\angle - (\varepsilon - 6) =$





41. With Log, what is the value of this Goal? 9 ^ (4 + 3) **A.** 2 **B.** 8 **C.** 16 **D.** 64

42. With Decimal in Goal and Base Eight, which is not a base ten value of this Goal?

34 + 2

A. 11÷16

B. 11÷4

C. 11÷2

D. 39÷16

43. With Imaginary, $(| -1) ^ 8 =$

A. –16

B. 2

C. 4

D. 16