

1999 MU ALPHA THETA CONVENTION
RELAY ANSWER KEYS
ROUND 2

EUCLID/THETA GOLD	ALPHA/MU GOLD	EUCLID/THETA BLUE	ALPHA/MU BLUE
<p>Sample:</p> <ol style="list-style-type: none"> 1. 162 2. 2 3. 6π 4. 1398 <p>Question 1:</p> <ol style="list-style-type: none"> 1. $5184\sqrt{3}$ 2. $9/2$ 3. 625 4. $\frac{3\sqrt{2}}{2}$ <p>Question 2:</p> <ol style="list-style-type: none"> 1. 999 2. $40\pi - 48\sqrt{3}$ 3. $-55/128$ 4. $19/4$ <p>Question 3:</p> <ol style="list-style-type: none"> 1. 2, -2, 3, -3 2. $128 + 128\sqrt{2}$ 3. 125 4. 43 <p>Question 4:</p> <ol style="list-style-type: none"> 1. 16π 2. -13 3. 4 4. $\sqrt{6}$ <p>Question 5:</p> <ol style="list-style-type: none"> 1. 6π 2. 7 3. 108 4. 87685 	<p>Sample:</p> <ol style="list-style-type: none"> 1. 2 2. 6π 3. 1398 4. $\sqrt{5}$ <p>Question 1:</p> <ol style="list-style-type: none"> 1. $9/2$ 2. 625 3. $5184\sqrt{3}$ 4. -324 <p>Question 2:</p> <ol style="list-style-type: none"> 1. $-55/128$ 2. $\frac{105\pi^6}{128}$ 3. $19/4$ 4. $2\pi - \frac{7\sqrt{3}}{2}$ <p>Question 3:</p> <ol style="list-style-type: none"> 1. 3, -3, 2i, -2i 2. 125 3. 43 4. 28 <p>Question 4:</p> <ol style="list-style-type: none"> 1. -13 2. 4 3. $\sqrt{6}$ 4. $5e + 5$ <p>Question 5:</p> <ol style="list-style-type: none"> 1. 7 2. -8 3. 87685 4. 144 	<p>Sample:</p> <ol style="list-style-type: none"> 1. 3 2. 36 3. 30 4. -60 <p>Question 1:</p> <ol style="list-style-type: none"> 1. 9 2. 27 3. 49 4. 140 <p>Question 2:</p> <ol style="list-style-type: none"> 1. 36 2. 24 3. 5 4. $31/32$ <p>Question 3:</p> <ol style="list-style-type: none"> 1. 7 2. 168 3. 16 4. 5 <p>Question 4:</p> <ol style="list-style-type: none"> 1. 108 2. 120π 3. $2/5$ 4. $29/49$ <p>Question 5:</p> <ol style="list-style-type: none"> 1. 27π 2. 13 3. 10 4. 19 	<p>Sample:</p> <ol style="list-style-type: none"> 1. 3 2. 9 3. 27 4. $5/21$ <p>Question 1:</p> <ol style="list-style-type: none"> 1. 2 2. 68 3. 289 4. 20 <p>Question 2:</p> <ol style="list-style-type: none"> 1. -1 2. 32 3. 4 4. 9 <p>Question 3:</p> <ol style="list-style-type: none"> 1. 3 2. 30 3. -6 4. -24 <p>Question 4:</p> <ol style="list-style-type: none"> 1. 1 2. $1/16$ 3. -1 4. 3 <p>Question 5:</p> <ol style="list-style-type: none"> 1. $\pi/3$ 2. $\frac{\sqrt{3}}{4}$ 3. $3/16$ 4. $8\pi/3$

1999 MU ALPHA THETA COVENTION
RELAY ANSWER KEYS
ROUND 1

$$\frac{192\pi}{5}$$

THETA- EUCLIDEAN

Sample:

1. 9
2. $\sqrt{5} - \sqrt{3}$
3. 99π
4. $\pi/16$

Question 1:

1. 167
2. 21
3. 42
4. $5/6$

Question 2:

1. 5
2. (2, -5)
3. 9072000
4. $1000\sqrt{2}$

Question 3:

1. $\frac{4-\pi}{4}$
2. 5, -3/2
3. 262
4. 80π

Question 4:

1. 9
2. 6
3. -3
4. 3720

Question 5:

1. 0
2. -3
3. 6
4. 2025

MU- ALPHA

Sample:

1. $\sqrt{5} - \sqrt{3}$
2. 99π
3. $\pi/16$
4. $2e + 1$

Question 1:

1. 21
2. 2239/1681
3. $5/6$
4. $\frac{\pi-1}{4}$

Question 2:

1. 5
2. (2, -5)
3. $\pi^2/2$
4. $1000\sqrt{2}$

Question 3:

1. 5, -3/2
2. 80π
3. 24
4. $2/e$

Question 4:

1. 6
2. 3720
3. -3
4. $15/23$

Question 5:

1. -3
2. 6
3. 0
4. 3°