

Math III Final Exam Answer Section

MULTIPLE CHOICE

1. ANS: C PTS: 1 STA: A.SSE.2
2. ANS: D PTS: 1 STA: A.APR.2
3. ANS: A PTS: 1 STA: A.APR.3
4. ANS: A PTS: 1 STA: A.APR.6
5. ANS: D PTS: 1 STA: A.APR.7
6. ANS: C PTS: 1 STA: A.REI.11
7. ANS: D PTS: 1 STA: F.IF.2
8. ANS: D PTS: 1 STA: F.IF.4
9. ANS: A PTS: 1 STA: F.IF.7
10. ANS: D PTS: 1 STA: F.IF.7
11. ANS: A PTS: 1 STA: F.BF.4c
12. ANS: C PTS: 1 STA: F.LE.3
13. ANS: D PTS: 1 STA: F.LE.4
14. ANS: C PTS: 1 STA: G.C.2
15. ANS: B PTS: 1 STA: G.GPE.1
16. ANS: D PTS: 1 STA: G.GMD.4
17. ANS: A PTS: 1 STA: G.GMD.4
18. ANS: C PTS: 1 STA: G.MG.1
19. ANS: B PTS: 1 STA: S.IC.4
20. ANS: C PTS: 1 STA: A.APR.3
21. ANS: D PTS: 1 STA: A.APR.6

SHORT ANSWER

22. ANS:
February 1 or 2. On these two days, the pizza is \$9. On the 3rd day the price goes up to \$12

PTS: 1 STA: F.IF.2

23. ANS:

Context or Feature	Table/Context/Equation	Graph
a.	iii.	II.
b.	iv.	III.
c.	i.	IV.
d.	ii.	I.

PTS: 1 STA: F.IF.9

24. ANS:
40°

PTS: 1 STA: G.C.2

25. ANS:

This is an experiment, because a treatment (type of music) was imposed on the subjects.

We randomly assign subjects to groups in order to create two groups that are as similar as possible with respect to any variables that might influence the subjects' capacity for recalling words. That way, any differences we see in the mean number of words recalled can be attributed to either the type of music or to variation arising from random assignment. For example, if subjects were not assigned at random and were allowed to choose which music group they wanted to participate in, people who are easily distracted and may have more difficulty memorizing a list of words may tend to choose the classical music group because there are usually no lyrics that might distract in classical music.

PTS: 1 STA: S.IC.3
26. ANS:
k = 4

PTS: 1 STA: A.APR.2