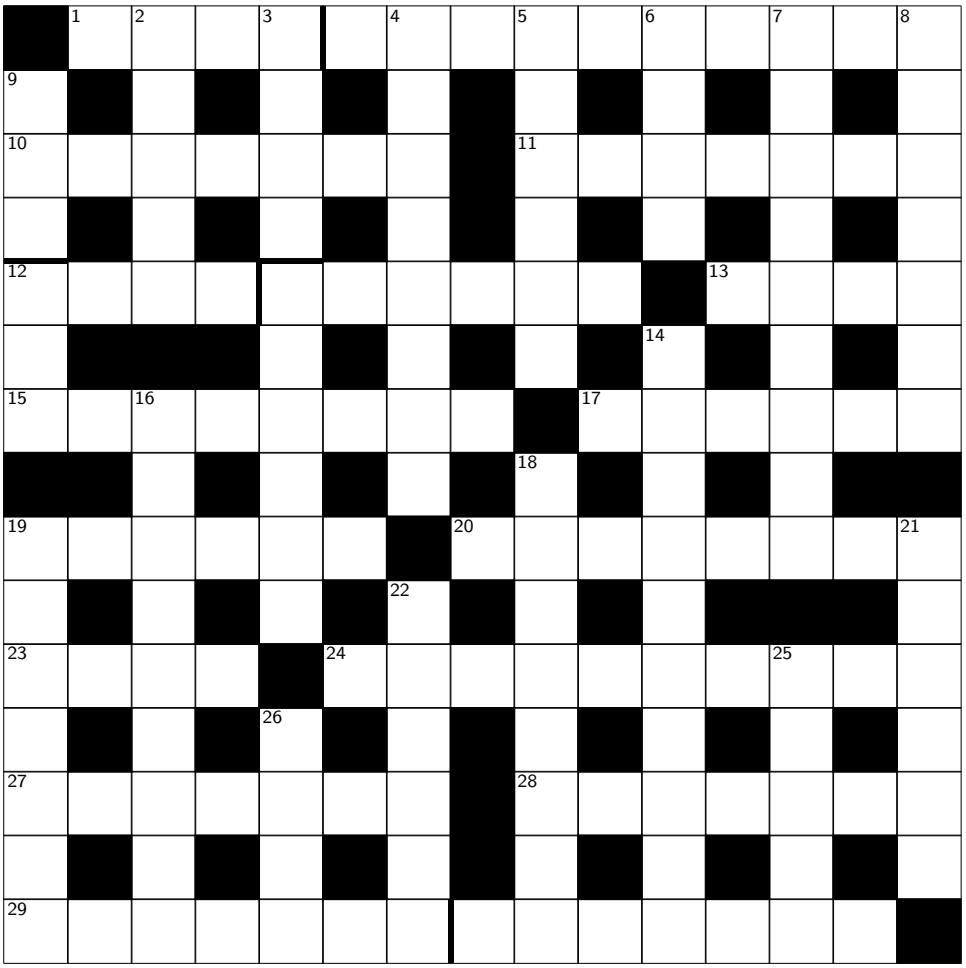
Cryptic Crossword of the Joint Meeting of the NZMS, AustMS, and AMS, *by Trefoil*

Special instructions: to complete this cryptic crossword, you will have to use some of your knowledge of mathematics and certain aspects of this Joint Meeting, and you will have to learn a little bit about New Zealand and *te reo Māori*.



Across

1 Like "I am what I am" — or what it says I am? (4-10)
10 Cover in oil changing hands. (7)
11 Spool flipped one with hesitation, making more cautious. (7)
12 Mostly shellfish, Monsieur Clamps? Swans create a space allowing imports and exports. (4,6)
13 See 5 down.
15 Proper factors given by detailed price estimate in untangled sail. (8)
17 Changes characters. (6)
19 States cut other bards in prime positions. (6)
20 Wander endlessly after a round: drink to find where you are? (8)
23 Record ringing: "ring ring ring". (4)
24 Enraged due to deranged ipecac plot. (10)
27 Kind of series, presumably less like 5? (7)
28 Launch Dedekind's partition into former constants! (7)
29 You might attend this lesson space: I gathered one's going the wrong way to take part. (7,7)

Down

2 The announcer is reportedly Escher? (5)
3 Store of 20 which is now 100, 40% of which is the other 60%. (4,6)
4 Capsizes like a disenchanted logician. (8)
5,13 Symbol of 20 is found in runner-up swamp? That's about right... (6,4)
6 10 we'll banquet at? Haggard woman would! (4)
7 Chronicle key point of interest to the USGS. (9)
8 Reverend in Australian jandals (or American swimwear) creates crowds. (7)
9 Greeting in 20 at kick-off, $\sqrt{-1}$ and $\sqrt{c^2 - b^2}$ will join in, followed by $\frac{d}{2}$ and hexed 10. (3,3)
14 He pursued A. Capone after cut austerity. (10)
16 Displaced centroid pockets university present. (9)
18 Midfielder in play, like $\mathbb{R}$, but not $\mathbb{Q}$. (8)
19 Improves least upper bound cycling without aerodynamic force. (7)
21 The Kessel Run in 12 what? Losing casing and gaining top speed gives $\frac{\pi}{648\,000}$. (6)
22 Like $(t\cos t, t\sin t)$, sources of strong passion in Romeo and Lysander. (5)
25 2π, softly circle the largest *roto* in 20. (5)
26 Some ski wings for a *manu* of 20 that cannot fly. (4)

Send your solved grid (any format is fine) to social_ms_2024@auckland.ac.nz to be in the draw to win a prize!