Löse die folgende Gleichungen über die Grundmenge $\mathbb{R}$!

1. $3x + 5 = 23$

2. $80 - 12y = 19$

3. $3(t + 7) = 4(2t - 1)$

4. $8(3 + 2z) - 3z = 5z - 8$

5. $\frac{3y+5}{2} = \frac{2y}{3}$

6. $\frac{4x+30}{6} = \frac{9-x}{4}$

7. $\frac{z}{2} + \frac{z}{3} = 25$

8. $\frac{4z+1}{6} = \frac{z-3}{2} + \frac{2}{3}$

9. $\frac{y}{3} + \frac{y}{4} + 15 = y$

10. $x^2 - 9 = 0$

11. $z^2 = 1$

12. $x^2 = -1$

13. $x^3 = 27$

14. $t^3 - 8 = 0$

15. $(x - 4)(x + 7) = 0$

16. $(x - 1)(x - 2)(x - 3) = 0$

17. $x^2 + 4x + 4 = 0$

18. $z^2 = 2z^2 - 1$