

Homework: Determinants and Cramer's Rule - Key

In Problems 1-5, evaluate each determinant.

1. -13	2. -16
3. 23	4. 28
5. $\frac{-19}{20}$	

In Problems 6-13 use Cramer's rule to solve each system or to determine that the system is inconsistent (no solution) or contains dependent equations (infinite solutions)

6. $(3,1)$	7. $(8,1)$
8. $(-2,-3)$	9. $(5,0)$
10. $(-1,-3)$	11. $(-6,-13)$
12. Infinite Solutions	13. No Solution

In Problems 14-16, evaluate each determinant.

14. -31	15. -1
16. 34	

In Problems 17-20, use Cramer's Rule to solve each system.

17. $(1,-2,0)$	18. $(4,1,2)$
19. $(7,0,-1)$	20. $(-2,1,-3)$

In Problems 21-22, evaluate each determinant.

21. -45	22. -83
-----------	-----------