

20 Board Problems (9.5-9.6)

Simplify

1. $n^2 - 81$

6. $25 - 4p^2$

2. $4 - 9a^2$

7. $100c^2 - d^2$

3. $2x^5 - 98x^3$

8. $169y^2 - 36z^2$

4. $4t^2 - 121$

9. $8z^2 - 64$

5. $x^2 - 49$

10. $20x^3 - 45xy^2$

Solve

11. $4y^2 = 25$

14. $50 - 8a^2 = 0$

12. $x^2 - \frac{1}{36} = 0$

15. $36 - \frac{1}{9}r^2 = 0$

13. $25x^2 = 36$

16. $12d^3 - 147d = 0$

Factor

17. $4k^2 - 100$

19. $45c^2 - 32cd$

18. $x^2 + 6x + 9$

Solve

20. $3x^2 + 24x + 48 = 0$