

Name: _____ Date: _____

9.6

Why did the cat buy a computer?



Factor or solve each trinomial as indicated. Once you have correctly factored a trinomial, choose a letter. When you have all 24 completed, unscramble your letters to answer the riddle.

Factor.

1. $3x^2 + 5x + 2$

2. $2x^2 + 7x + 3$

3. $7x^2 - 9x + 2$

4. $3x^2 - 16x + 5$

5. $6x^2 + 11x + 3$

6. $8x^2 + 6x + 1$

7. $8x^2 - 9x + 1$

8. $6x^2 + 13x + 2$

9. $12x^2 - 13x + 3$

10. $3x^2 + 14x + 8$

11. $5x^2 + 4x - 1$

12. $2x^2 - 5x - 3$

13. $3x^2 + 2x - 5$

14. $7x^2 - 13x - 2$

15. $10x^2 - 3x - 1$

Solve:

16. $6x^2 - 7x - 3 = 0$

17. $5x^2 + 18x - 8 = 0$

18. $4x^2 - 15x + 9 = 0$

19. $3x^2 + 16x = 12$

20. $8x^2 - 15 = 14x$

21. $5x^2 = 19x - 12$

22. $3x^2 - 2x = 8$

23. $6x^2 + 17x = -11$

24. $7x^2 + 23x = 20$