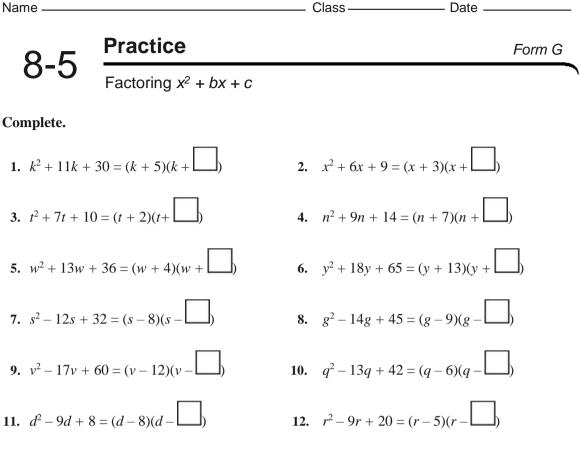
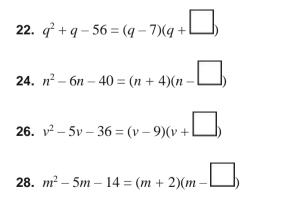
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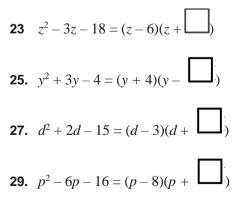


Factor each expression. Check your answer.

13. $y^2 + 5y + 6$	14. $t^2 + 9t + 18$	15. $x^2 + 16x + 63$
16. $n^2 - 12n + 35$	17. $r^2 - 12r + 27$	18. $q^2 - 12q + 20$
19. $w^2 + 19w + 60$	20. $b^2 - 11b + 24$	21. $z^2 - 13z + 12$

Complete.





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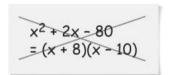
Name		Class	Date		
8-5	Practice (continued)			Form G	
	Factoring $x^2 + bx + c$				
Factor each expression. Check your answer.					
30. $r^2 + 3r - 10$	31. $w^2 + 2w - 8$		32. $z^2 + 3z - 40$		
33. $d^2 - 4d - 12$	34. $p^2 - 7p - 8$		35. $s^2 - 5s - 24$		
36. $x^2 + 5x - 6$	37. $v^2 + 3v - 28$		38. $n^2 + 2n - 63$		
39. $t^2 - 2t - 24$	40 $a^2 - 7a - 18$		41. $c^2 - c - 30$		

- **42.** The area of a rectangular door is given by the trinomial $x^2 14x + 45$. The door's width is (x 9). What is the door's length?
- **43.** The area of a rectangular painting is given by the trinomial $a^2 6a 16$. The painting's length is (a + 2). What is the painting's width?

Write the correct factored form for each expression.

44. $k^2 + 4kn - 96n^2$	45. $g^2 - 13gh + 42h^2$	46. $m^2 - 4mn - 32n^2$
47. $x^2 + 5xy - 14y^2$	48. $s^2 + 17st + 72t^2$	49. $h^2 + 3hj - 88j^2$

50. Error Analysis Describe and correct the error made in factoring the trinomial.



51. A rectangular pool cover has an area of $p^2 + 9p - 36$. What are possible dimensions of the pool cover? Use factoring.

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