

LESSON**Practice C****8-3 Factoring $x^2 + bx + c$**

Factor each trinomial.

1. $x^2 + 10x + 24$

2. $y^2 + 12y + 20$

3. $a^2 + 15a + 54$

4. $h^2 + 18h + 45$

5. $x^2 + 16x + 48$

6. $c^2 + 15c + 50$

7. $x^2 - 16x + 48$

8. $d^2 - 19d + 88$

9. $x^2 - 20x + 36$

10. $m^2 - 43m + 42$

11. $x^2 - 16x + 28$

12. $n^2 - 12n + 35$

13. $f^2 + 3f - 28$

14. $b^2 + 11b - 42$

15. $x^2 + 12x - 160$

16. $g^2 + 2g - 48$

17. $k^2 + 16k - 36$

18. $x^2 + 2x - 63$

19. $p^2 - 2p - 8$

20. $x^2 - x - 72$

21. $q^2 - 3q - 18$

22. $x^2 - 4x - 32$

23. $t^2 - 10t - 39$

24. $w^2 - 20w - 125$

25. Factor $n^2 + 8n - 48$. Show that the original polynomial and the factored form describe the same sequence of numbers for $n = 0, 1, 2, 3$, and 4.

n	$n^2 + 8n - 48$

n

Word Problems

Graded -
front and back
Due 3/7/17
Tuesday

Name _____

1

2

3a

4

3b

5a

6

5b

5c

7

8a

8b

8c

8d

8e