

Name: _____

Date: _____



Algebra 2 Factoring Worksheets

1. $20z + 30 = 80 + 19z$
 $20z = 50 + 19z$
 $z = 50$

2. $4j + 42 = 57 + 3j$
 $4j = 15 + 3j$
 $j = 15$

3. $25y + 48 = 69 + 24y$
 $25y = 21 + 24y$
 $y = 21$

4. $16g - 17 = 14 + 15g$
 $16g = 31 + 15g$
 $g = 31$

5. $8h - 45 = 11 + 7h$
 $8h = 56 + 7h$
 $h = 56$

6. $7c - 32 = 9 + 6c$
 $7c = 41 + 6c$
 $c = 41$

7. $20n - 35 = -10 + 19n$
 $20n = 25 + 19n$
 $n = 25$

8. $11g - 32 = 13 + 10g$
 $11g = 45 + 10g$
 $g = 45$

9. $23d + 49 = 73 + 22d$
 $23d = 24 + 22d$
 $d = 24$

10. $6j + 42 = 104 + 5j$
 $6j = 62 + 5j$
 $j = 62$

11. $25r - 38 = -31 + 24r$
 $25r = 7 + 24r$
 $r = 7$

12. $15p + 25 = 51 + 14p$
 $15p = 26 + 14p$
 $p = 26$

13. $-2p - 11 = 56 - 3p$
 $-2p = 67 - 3p$
 $p = 67$

14. $15c + 30 = 71 + 14c$
 $15c = 41 + 14c$
 $c = 41$

15. $20z - 19 = 8 + 19z$
 $20z = 27 + 19z$
 $z = 27$