

12. Solve by factoring.
 $4x^2 + 28x - 32 = 0$

Solve by Factoring

13. $5x^2 - 22x - 15$

14. $4x^2 + 43x + 30 = 0$

15. $3x^2 + 29x + 40 = 0$

16. $5x^2 + 22x + 8 = 0$

17. $5x^2 + 59x + 90 = 0$

18. $3x^2 + 25x + 28 = 0$

19. $4x^2 + 41x + 72 = 0$

20. $2x^2 + 19x + 35 = 0$

21. $4x^2 + 31x + 42 = 0$

22. $5x^2 + 37x + 14 = 0$

23. $4x^2 + 39x + 27 = 0$

24. $5x^2 + 21x + 18 = 0$

25. $5x^2 + 53x + 30 = 0$

26. $3x^2 + 14x + 16 = 0$

27. $3x^2 + 26x + 35 = 0$

28. $4x^2 + 43x + 63 = 0$

29. $3x^2 + 25x + 50 = 0$

30. $4x^2 + 39x + 56 = 0$

31. $5x^2 + 42x + 16 = 0$

32. $3x^2 + 26x + 16 = 0$

33. $3x^2 + 28x + 60 = 0$

34. $2x^2 + 23x + 56 = 0$

35. $4x^2 + 23x + 28 = 0$

Solving Quadratics by Factoring Answer Section

MULTIPLE CHOICE

1. B
2. C
3. B
4. D
5. A

SHORT ANSWER

6. -4 and 2
7. -1
8. $x = -1$ or $x = 1$
9. $n = 0$ or $n = \frac{1}{10}$
10. $z = -3$ or $z = 9$
11. $x = 3$
12. -8, 1
13. $(5x + 3)(x - 5)$
14. $(4x + 3)(x + 10)$
15. $(3x + 5)(x + 8)$
16. $(5x + 2)(x + 4)$
17. $(5x + 9)(x + 10)$
18. $(3x + 4)(x + 7)$
19. $(4x + 9)(x + 8)$
20. $(2x + 5)(x + 7)$
21. $(4x + 7)(x + 6)$
22. $(5x + 2)(x + 7)$
23. $(4x + 3)(x + 9)$
24. $(5x + 6)(x + 3)$
25. $(5x + 3)(x + 10)$
26. $(3x + 8)(x + 2)$
27. $(3x + 5)(x + 7)$
28. $(4x + 7)(x + 9)$
29. $(3x + 10)(x + 5)$
30. $(4x + 7)(x + 8)$
31. $(5x + 2)(x + 8)$
32. $(3x + 2)(x + 8)$
33. $(3x + 10)(x + 6)$

34. $(2x + 7)(x + 8)$

35. $(4x + 7)(x + 4)$