

Assignment

Date _____ Period _____

Solve each equation by factoring.

1) $3x^2 + 7x + 4 = 0$

2) $7r^2 + 4r = 0$

3) $5x^2 - 17x - 12 = 0$

4) $6x^2 - 7x = 0$

5) $3a^2 - 7a = 0$

6) $8x^2 + 29x + 15 = 0$

7) $15m^2 + 34m + 16 = 0$

8) $5v^2 + 27v + 28 = 0$

9) $5r^2 - 4r = 0$

10) $2p^2 + 5p - 12 = 0$

11) $3x^2 + 14x - 24 = 0$

12) $6p^2 + p - 15 = 0$

13) $3m^2 - 10m - 48 = 0$

14) $3x^2 - 26x + 48 = 0$

15) $3x^2 + 26x + 16 = 0$

16) $3b^2 + 28b + 32 = 0$

17) $3r^2 + 16r + 5 = 0$

18) $7r^2 - 23r - 20 = 0$

19) $15x^2 - 11x - 12 = 0$

20) $35m^2 + 26m - 16 = 0$

21) $8r^2 - 53r - 21 = 0$

22) $3r^2 - 17r - 28 = 0$

23) $5x^2 + 6x = 0$

24) $3a^2 + 7a + 2 = 0$

$$25) 2v^2 + 11v - 6 = 0$$

$$26) 5a^2 - a = 0$$

$$27) 5b^2 - 43b + 56 = 0$$

$$28) 5m^2 + 3m = 0$$

$$29) 7p^2 + 47p + 30 = 0$$

$$30) 3n^2 + n - 4 = 0$$

$$31) 7r^2 + 57r + 56 = 0$$

$$32) 7x^2 - 33x - 10 = 0$$

$$33) 2k^2 + 7k - 15 = 0$$

$$34) 5x^2 + 41x + 8 = 0$$

$$35) 5x^2 - 43x + 24 = 0$$

$$36) 7b^2 - 41b + 30 = 0$$

$$37) 7b^2 + 18b - 9 = 0$$

$$38) 5n^2 - 7n + 2 = 0$$

$$39) 7n^2 + 9n - 10 = 0$$

$$40) 5v^2 + 36v + 7 = 0$$

$$41) 5n^2 + 12n + 7 = 0$$

$$42) 6k^2 + 13k - 28 = 0$$

$$43) 7n^2 + 41n - 56 = 0$$

$$44) 5n^2 - 28n + 15 = 0$$

$$45) 7n^2 - 29n + 24 = 0$$

$$46) 7x^2 + 22x + 16 = 0$$

$$47) 3b^2 + 5b + 2 = 0$$

$$48) 3x^2 - 20x - 32 = 0$$

$$49) 5b^2 - 21b + 4 = 0$$

$$50) 5x^2 + 36x - 32 = 0$$

$$51) 2r^2 - 11r - 40 = 0$$

$$52) 3x^2 + 8x = 0$$

$$53) 7x^2 + 17x - 12 = 0$$

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$$60) 5x^2 - 28x + 32 = 0$$

$$61) 2a^2 + 15a + 28 = 0$$

$$62) 5x^2 + 2x - 3 = 0$$

$$63) 21v^2 + 73v + 56 = 0$$

$$64) 3v^2 - 8v - 16 = 0$$

$$65) 7b^2 - 50b + 7 = 0$$

$$66) 25b^2 - 9 = 0$$

$$67) 2n^2 + 15n + 25 = 0$$

$$68) 3p^2 - 2p - 16 = 0$$

$$69) 2v^2 - 9v + 10 = 0$$

$$70) 5n^2 - 33n + 40 = 0$$

$$71) 7a^2 - 5a = 0$$

$$72) 5x^2 - 27x - 56 = 0$$

$$73) 5p^2 + 37p + 42 = 0$$

$$74) 21a^2 + 10a + 1 = 0$$

$$75) 49a^2 + 63a + 20 = 0$$

$$76) 2x^2 - 7x + 5 = 0$$

$$77) 3x^2 + 10x - 48 = 0$$

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$\left\{-\frac{4}{3}, -1\right\}$

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5) $3a^2 - 7a = 0$

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7) $15m^2 + 34m + 16 = 0$

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