

Name: _____ CLASS WORK

6.1 - Solving with GCF and DOTS - CW

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1. $72x^5 - 69x^6 = 0$

2. $21x^{10} + 72x^{11} = 0$

3. $26x + 12x^2 = 0$

4. $x^2 - 121 = 0$

5. $y^2 - 196 = 0$

6. $y^2 - 144 = 0$

7. $16x^2 - 9 = 0$

8. $1x^2 - 4 = 0$

9. $169x^2 - 4 = 0$

$$10. 2z^7 - 338z^5 = 0$$

$$11. 588y^5 - 243y^3 = 0$$

$$12. 3y^4 - 363y^2 = 0$$

$$13. y^2 - 81 = 0$$

$$14. 3x^7 - 588x^5 = 0$$

$$15. 64x^7 - 100x^5 = 0$$

$$16. 144x^2 - 121 = 0$$

$$17. 14x^{10} - 8x^{11} = 0$$

$$18. z^2 - 121 = 0$$

$$19. 8z^5 - 242z^3 = 0$$

$$20. 2x^7 - 98x^5 = 0$$

$$21. 14x^3 + 36x^2 = 0$$

$$22. 25z^2 - 16 = 0$$

$$23. 72x^6 + 69x^5 = 0$$

$$24. 2y^5 - 200y^3 = 0$$

$$25. 27x^5 + 48x^6 = 0$$

$$26. z^2 - 1 = 0$$

$$27. z^2 - 25 = 0$$

$$28. 162z^4 - 8z^2 = 0$$

$$29. 288x^5 - 98x^3 = 0$$

$$30. 5y^6 - 180y^4 = 0$$

$$31. 12x^3 - 22x^4 = 0$$

$$32. 33x^5 - 39x^6 = 0$$

Name: _____ CLASS WORK

6.1 - Solving with GCF and DOTS - CWAnswers

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1. $x = 0$ and $x = \frac{24}{23}$

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

