

Name: _____ CLASS WORK

6.3 - Solving with GCF,DOTS,Trinomials - CW

#: _____

1. $50x^4 + 34x^3 = 0$

2. $72y^5 - 200y^3 = 0$

3. $x^2 - 16x + 55 = 0$

4. $x^2 - 10x - 39 = 0$

5. $x^2 + 22x + 96 = 0$

6. $69x^8 + 72x^9 = 0$

7. $3x^2 + 26x - 169 = 0$

8. $14x^4 - 16x^3 = 0$

9. $2x^2 + 11x - 21 = 0$

$$10. 30x^6 - 27x^5 = 0$$

$$11. 18z^5 - 8z^3 = 0$$

$$12. 16x^2 - 81 = 0$$

$$13. 16x^8 - 42x^9 = 0$$

$$14. y^2 - 9 = 0$$

$$15. x^2 + 18x + 45 = 0$$

$$16. x^2 + 24x + 108 = 0$$

$$17. 8x^2 - 512 = 0$$

$$18. 169y^2 - 49 = 0$$

$$19. x^2 - 16 = 0$$

$$20. x^2 + 7x - 78 = 0$$

$$21. 3x^2 - 14x + 11 = 0$$

$$22. 12x^{10} + 39x^9 = 0$$

$$23. 6x^6 - 57x^5 = 0$$

$$24. x^2 - 21x + 38 = 0$$

Name: _____

CLASS WORK

6.3 - Solving with GCF, DOTS, Trinomials - CWAnswers

#: _____

1. $x = 0$ and $x = \frac{-17}{25}$

2. $x = 0$, $x = \frac{-5}{3}$, and $x = \frac{5}{3}$

3. $x = 11$ and $x = 5$

4. $x = -3$ and $x = 13$

5. $x = -16$ and $x = -6$

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

7. $x = \frac{13}{3}$ and $x = -13$

8. $x = 0$ and $x = \frac{8}{7}$

9. $x = -7$ and $x = \frac{3}{2}$

10. $x = 0$ and $x = \frac{9}{10}$

11. $x = 0$, $x = \frac{-2}{3}$, and $x = \frac{2}{3}$

12. $x = \frac{-9}{4}$ and $x = \frac{9}{4}$

13. $x = 0$ and $x = \frac{8}{21}$

14. $x = 3$ and $x = -3$

15. $x = -3$ and $x = -15$

16. $x = -18$ and $x = -6$

17. $x = 8$ and $x = -8$

18. $x = \frac{-7}{13}$ and $x = \frac{7}{13}$

19. $x = 4$ and $x = -4$

20. $x = -13$ and $x = 6$

21. $x = 1$ and $x = \frac{11}{3}$

22. $x = 0$ and $x = \frac{-13}{4}$

23. $x = 0$ and $x = \frac{19}{2}$

24. $x = 2$ and $x = 19$