

HW05: Like Terms and the Distributive Property

Simplify each expression.

1) $-7a - a$

2) $x + 10 - 1$

3) $5 - 7n + n^4 + 4n$

4) $6r^4 - 7r + 4r + 2r^4$

5) $3\sqrt{2} + 2\sqrt{2}$

6) $-\sqrt{5} + 2\sqrt{5}$

7) $-\sqrt{24} - 3\sqrt{24}$

8) $2\sqrt{24} - 2\sqrt{6}$

9) $-2\sqrt{12} - 2\sqrt{45} + 3\sqrt{45}$

10) $-\sqrt{24} - 3\sqrt{5} - \sqrt{24}$

11) $\sqrt{15}(\sqrt{5} + 5)$

12) $5\sqrt{5}(2 + 5\sqrt{10})$

13) $-5(9 + 5k)$

14) $-11(b - 5)$

15) $10(4k + 1)$

16) $12(-11n - 9)$

17) $-2 + 6(13 + 11b)$

18) $-8 - 12(11x + 3)$

19) $12(5k - 4) - 6$

20) $-2(n + 3) - 2$

21) $11(14 - 4n) + 8$

22) $2(8r - 6) - 13$

23) $8 + 2\sqrt{3}(5 + \sqrt{2}) - \sqrt{6}$

24) $\sqrt{6}(\sqrt{3} - 4) - 5\sqrt{24}$

25) Make sure your notes are in order for next week's notebook check! Be sure to have vocabulary and definitions, examples, and your summaries for Radicals and Lessons 1.1 - 1.4.