

Worksheet: Collecting Like Terms with Negatives

Instructions

Simplify each of the following algebraic expressions by collecting like terms. Pay special attention to negative signs. Show all your working.

Exercises

1. $3x - 4x + 7$
2. $-2y + 5y - 8$
3. $6a - 3a + 2 - a$
4. $-5m + 2m - 7 + 3$
5. $-4b - 2b + 9$
6. $8p - 3p - 2p + 5$
7. $-7x + 4 - 2x - 3$
8. $2y - 6y + 3y - 5$
9. $-9z + 11z - 4z + 6$
10. $5a - 8 + 2a - 3$
11. $-4n + 7n - 2n + 1$
12. $-6k + 3 - 2k + 8$

Maths with Melissa

Answer Key

1. $3x - 4x + 7 = -x + 7$
2. $-2y + 5y - 8 = 3y - 8$
3. $6a - 3a + 2 - a = 2a + 2$
4. $-5m + 2m - 7 + 3 = -3m - 4$
5. $-4b - 2b + 9 = -6b + 9$
6. $8p - 3p - 2p + 5 = 3p + 5$
7. $-7x + 4 - 2x - 3 = -9x + 1$
8. $2y - 6y + 3y - 5 = -y - 5$
9. $-9z + 11z - 4z + 6 = -2z + 6$
10. $5a - 8 + 2a - 3 = 7a - 11$
11. $-4n + 7n - 2n + 1 = n + 1$
12. $-6k + 3 - 2k + 8 = -8k + 11$