

List out the like terms from each set:

1. $2m^2n^3$, $-3m^2n^3$, $4mn^2$, $7m^2n^3$
2. $12a^2b$, $3ab^2$, $4ba^2$, $2a^2b$
3. $3x^2y^2z$, $2xzy^2$, $-5x^2y^2z$, $7zx^2y^2$, $-11x^3y^2$
4. $5x^2y$, $7xy^2$, $-3xy$, $-4yx^2$
5. a^2 , $-3b^2$, $7b^2$, $-9a^2$, $6ab$
6. abc , ab^2c , $2abc^2$, $3c^2ab$
7. $4xy$, $5x^2y$, $-3yx$, $2xy^2$

Solve by combining like terms

1. $-4 + 7(1 - 3m)$	2. $-2n - (9 - 10n)$
3. $-9(6m - 3) + 6(1 + 4m)$	4. $-3(10b + 10) + 5(b + 2)$

Answers

1. $2m^2n^3$, $-3m^2n^3$, $7m^2n^3$ and $4mn^2$

2. $12a^2b$, $2a^2b$, $4ba^2$ and $3ab^2$

3. $3x^2y^2z$, $-5x^2y^2z$, $7zx^2y^2$

4. $5x^2y$, $-4yx^2$

5. a^2 , $-9a^2$ and $-3b^2$, $7b^2$

6. $2abc^2$, $3c^2ab$

7. $4xy$, $-3yx$

1. $3-21m$

2. $8n-9$

3. $-30m+33$

4. $-25b-20$