Variables, constants and terms

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Name the variable in $4x + 7$. [1 mark]

The letter x represents a number that may change.

Answer: x

2. What is the coefficient of m in $9m + 2$? [1 mark]

The term $9m$ means nine copies of m.

Answer: 9

3. What is the constant term in $3a + 12$? [1 mark]

The added 12 is independent of a.

Answer: 12

4. List the terms in $6p - 4q + 10$. [2 marks]

Addition and subtraction separate terms.

The minus sign stays with $4q$.

Answer: $6p$, $-4q$, 10

5. A delivery costs $5b + 8$ dollars, where b is the number of boxes. What does 8 represent? [2 marks]

The $5b$ part changes with the number of boxes.

The 8 is added once regardless of b.

Answer: A fixed delivery charge of 8 dollars.

6. How many terms are in $2r + 3s + 4$? Name its variables. [2 marks]

The terms are $2r$, $3s$ and 4.

The letters are r and s.

Answer: Three terms; variables r and s.