

9.1 Key Concepts 1 Kinds of Polynomials Worked Example

Example: Identify each of the following as a monomial, a binomial, or a trinomial.

a) $2pq$ b) $x^2 + 2xy + y^2$ c) $a^2 + ab$

Solution: a) has only one term. It is a monomial.

b) has three terms. It is a trinomial.

c) has two terms. It is a binomial.

Practice:

1. Which type of polynomial is $3xyz - 5yz^3$?

2. Which type of polynomial is $4c^2 - 12cd + 9d^2$?

Answers: 1. binomial 2. trinomial