Classifying Polynomials

Classify each polynomial based on the degree and number of terms.

Q. No	Polynomials	Classify by degree and number of terms
1)	$6 + t^3 - 3t^2 + 4t^3 - t^5 - 7t^4$	
2)	$5xyz$	
3)	$r - 2s + rs - r^4s + s^8$	
4)	$uv + w$	
5)	$p + 3 - pq - q$	
6)	$1 + x + y - 12z - w$	
7)	16	
8)	$z^3 - 4 - 2z^2$	
9)	$a^2 + ab^5 - bc^2$	
10)	$2t - 3$	

Classifying Polynomials

Answer key

Classify each polynomial based on the degree and number of terms.

Q. No	Polynomials	Classify by degree and number of terms
1)	$6 + t^3 - 3t^2 + 4t^3 - t^5 - 7t^4$	**quintic polynomial with 6 terms**
2)	$5xyz$	**cubic monomial**
3)	$r - 2s + rs - r^4s + s^8$	**quartic polynomial with 5 terrms**
4)	$uv + w$	**quadratic binomial**
5)	$p + 3 - pq - q$	**quadratic polynomial with 4 terms**
6)	$1 + x + y - 12z - w$	**linear polynomial with 5 terms**
7)	16	**constant monomial**
8)	$z^3 - 4 - 2z^2$	**cubic trinomial**
9)	$a^2 + ab^5 - bc^2$	**quintic trinomial**
10)	$2t - 3$	**linear binomial**