



Polynomials

Name _____

Score _____

IP:26

| Q. No | Polynomials | Number of terms | Degree | Leading Coefficient |
|-------|-----------------------------------|-----------------|--------|---------------------|
| 1) | $-9s^9 - 1$ | | | |
| 2) | $u^2 + 4 - u^3vw^2 - vw - 5u + v$ | | | |
| 3) | $12z^2$ | | | |
| 4) | $6 - 5gh^3 - 3g + h - gh$ | | | |
| 5) | $4m^7 + 2m + m^3$ | | | |

1) What is the number of terms in the polynomial $7h^2 - 6 + 5h$?

a) 3

b) 1

c) 2

2) What is the degree of the polynomial $a + b - a^6b^4$?

a) 2

b) 8

c) 10

3) Which of the following polynomial has the leading coefficient -5 ?

a) $-5n - 1 - n^2 + n^3$ b) $-5v + 3$ c) $2 + 5k^2 - k^3$



Polynomials

Answer key

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| Q. No | Polynomials | Number of terms | Degree | Leading Coefficient |
|-------|-----------------------------------|-----------------|----------|---------------------|
| 1) | $-9s^9 - 1$ | 2 | 9 | -9 |
| 2) | $u^2 + 4 - u^3vw^2 - vw - 5u + v$ | 6 | 6 | -1 |
| 3) | $12z^2$ | 1 | 2 | 12 |
| 4) | $6 - 5gh^3 - 3g + h - gh$ | 5 | 4 | -5 |
| 5) | $4m^7 + 2m + m^3$ | 3 | 7 | 4 |

1) What is the number of terms in the polynomial $7h^2 - 6 + 5h$?

~~a)~~ 3

b) 1

c) 2

2) What is the degree of the polynomial $a + b - a^6b^4$?

a) 2

b) 8

~~b)~~ 10

3) Which of the following polynomial has the leading coefficient -5 ?

a) $-5n - 1 - n^2 + n^3$

~~a)~~ $-5v + 3$

c) $2 + 5k^2 - k^3$