

Name : _____

Degree & Leading Coefficient

L2S5

Find the degree and the leading coefficient of each polynomial.

| | Polynomial | Degree | Leading Coefficient |
|----|-----------------------------------|--------|---------------------|
| 1) | $-2n^5 - n^3 + n^4 - n + 7$ | | |
| 2) | | | |
| 3) | | | |
| 4) | | | |
| 5) | | | |
| 6) | | | |
| 7) | | | |
| 8) | $b - 9cd$ | | |
| 9) | $q^3 - 2q^2r^2 + 7r^4s^5 - s + 4$ | | |

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Name : _____

Answer key

Degree & Leading Coefficient

L2S5

Find the degree and the leading coefficient of each polynomial.

| | Polynomial | Degree | Leading Coefficient |
|----|--|----------|---------------------|
| 1) | $-2n^5 - n^3 + n^4 - n + 7$ | 5 | -2 |
| 2) | $a^5 + 3a^4 - 2a^3 + a^2 - 5a + 7$ | 5 | 1 |
| 3) | $-u^3 + 4u^2 - 7u + 1$ | 3 | -1 |
| 4) | $p^3 + 2p^2 - 5p + 3$ | 3 | 1 |
| 5) | $-6x^6 + 3x^5 - 2x^4 + x^3 - 7x^2 + 4x - 1$ | 6 | -6 |
| 6) | $s^2 + 4s - 1$ | 2 | 1 |
| 7) | $8y^8 - 5y^7 + 3y^6 - 2y^5 + y^4 - 4y^3 + 7y^2 - 9y + 1$ | 8 | 8 |
| 8) | $b - 9cd$ | 1 | -1 |
| 9) | $q^3 - 2q^2r^2 + 7r^4s^5 - s + 4$ | 9 | 7 |

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