

# Classifying Polynomials

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Classify each polynomial based on number of terms.

1)  $3a + 8a^5 - a^2 + 9a^6 - a^3$

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2)  $-p^2q + 5pq^3$

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3)  $u + 3u^5v^2 - 6v + 9v^3w^2 + w - 4uv^4w$

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4)  $-5 + x^2y - 3yz + x^3yz$

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5)  $3s^2t - 10 + 8s^3t$

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6)  $-7a^8b$

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7)  $5d^7 + 2$

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8)  $8wx^3 - 6w^2x + 12$

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9)  $c^3d + 7c^8 - 3c^2d^4 - d^7 + 9 - c^5$

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10)  $-mn + 3 + m^3 + n^4$

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11)  $-11xy^3z^2$

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12)  $-b^5 + 7b^4 - 3b^2 - b - 5$

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