Adding Polynomials

Add the polynomials

1) $2g^3h^3$, $4g^3 + g^3h^3 - 4h^3 - gh$

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2) $4mn^4 - 2m + 3n - 5m^4n$, $7m^4n - m + 2n - mn^4$

_____

3) $-k^2 + 8 - 2k$, $5k + 1$

_____

4) $10d^5$, $7 - 2d^5$

_____

5) $z + 3 - 2z^3 - 9z^2$, $z^2 + z^3 - 4z^5 + 6 + 3z^4$

_____

6) $2u + 5v - 7uv$, $7uv$

_____

7) $-3p - q + 8r$, $q - 8r + 11 + 3p$

_____

8) $6d - d^3 + 2d^5 - 4d^4 + 6$, $d + 4d^4$

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Adding Polynomials

Answer key

Add the polynomials

1) $2g^3h^3$, $4g^3 + g^3h^3 - 4h^3 - gh$

   $3g^3h^3 + 2g^3 - 4h^3 - gh$

2) $4mn^4 - 2m + 3n - 5m^4n$, $7m^4n - m + 2n - mn^4$

   $3mn^4 + 2m^4n - 3m + 5n$

3) $-k^2 + 8 - 2k$, $5k + 1$

   $-k^2 + 3k + 9$

4) $10d^5$, $7 - 2d^5$

   $8d^5 + 7$

5) $z + 3 - 2z^3 - 9z^2$, $z^2 + z^3 - 4z^5 + 6 + 3z^4$

   $-4z^5 + 3z^4 - z^3 - 8z^2 + z + 9$

6) $2u + 5v - 7uv$, $7uv$

   $2u + 5v$

7) $-3p - q + 8r$, $q - 8r + 11 + 3p$

   11

8) $6d - d^3 + 2d^5 - 4d^4 + 6$, $d + 4d^4$

   $2d^5 - d^3 + 7d + 6$