Adding Trinomials

Add the trinomials.

1) $4h^2 + h - 9$, $2h + 2h^4 - h^3$ and $6h^5 + 10 - h^4$

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2) $x^3 - 5x - 4x^5$, $x^5 - 4x - x^3$ and $2x^3 + x^5 + 9x$

_____

3) $9m^4n + 4 + m$, $3 - m + m^4n$ and $5m - 8 + 3m^4n$

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4) $-3p^3 + 2q^2 - 6r^4$, $r^4 - p^3 + q^2$ and $-4q^2 - r^4 - 5p^3$

_____

5) $5t - 1 + t^3$, $4 + t - t^3$ and $-3 + 7t^3 - 6t$

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6) $4a^2 + abc - b^2$, $2b^2 - a^2 + 3abc$ and $-6abc + 2a^2 + 7b^2$

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Adding Trinomials

Answer key

Add the trinomials.

1) $4h^2 + h - 9$, $2h + 2h^4 - h^3$ and $6h^5 + 10 - h^4$

$$6h^5 + h^4 - h^3 + 4h^2 + 3h + 1$$

2) $x^3 - 5x - 4x^5$, $x^5 - 4x - x^3$ and $2x^3 + x^5 + 9x$

$$-2x^5 + 2x^3$$

3) $9m^4n + 4 + m$, $3 - m + m^4n$ and $5m - 8 + 3m^4n$

$$13m^4n + 5m - 1$$

4) $-3p^3 + 2q^2 - 6r^4$, $r^4 - p^3 + q^2$ and $-4q^2 - r^4 - 5p^3$

$$-6r^4 - 9p^3 - q^2$$

5) $5t - 1 + t^3$, $4 + t - t^3$ and $-3 + 7t^3 - 6t$

$$7t^3$$

6) $4a^2 + abc - b^2$, $2b^2 - a^2 + 3abc$ and $-6abc + 2a^2 + 7b^2$

$$-2abc + 5a^2 + 8b^2$$