Student Name: _____ **Score:**

Find the sum of polynomials

1. $(5x^2 + 2x + 3) + (x^2 - x + 1)$ = _____

2. $(-3x^2 + 4x - 3) + (-8x + 9)$ = _____

3. $(s^3 + 2s + 1) + (s^2 + 2s)$ = _____

4. $(5a^3 - a^2 + 9) + (3a^2 - 2a + 1)$ = _____

5. $(a^4 + 2a^2 + 4) + (a^3 - 5a^2)$ = _____

6. $(-u^2 + 9u + 3) + (u^3 - 1)$ = _____

7. $(-10u^2 + 2u - 3) + (u^2 + 3u + 1)$ = _____

8. $(81y^3 + 9y + 27) + (3y^2 - 9)$ = _____

9. $(7a^2 + 3a - 2) + (-10a^2 + 2a)$ = _____

10. $(21b^3 + 4b + 3) + (2b^2 - 11)$ = _____

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Answers

1. $(5x^2 + 2x + 3) + (x^2 - x + 1)$ = $\mathbf{6x^2 + x + 4}$

2. $(-3x^2 + 4x - 3) + (-8x + 9)$ = $\mathbf{-3x^2 - 4x + 6}$

3. $(s^3 + 2s + 1) + (s^2 + 2s)$ = $\mathbf{s^3 + s^2 + 4s + 1}$

4. $(5a^3 - a^2 + 9) + (3a^2 - 2a + 1)$ = $\mathbf{5a^3 + 2a^2 - 2a + 10}$

5. $(a^4 + 2a^2 + 4) + (a^3 - 5a^2)$ = $\mathbf{a^4 + a^3 - 3a^2 + 4}$

6. $(-u^2 + 9u + 3) + (u^3 - 1)$ = $\mathbf{u^3 - u^2 + 9u + 2}$

7. $(-10u^2 + 2u - 3) + (u^2 + 3u + 1)$ = $\mathbf{-9u^2 + 5u - 2}$

8. $(81y^3 + 9y + 27) + (3y^2 - 9)$ = $\mathbf{81y^3 + 3y^2 + 9y + 18}$

9. $(7a^2 + 3a - 2) + (-10a^2 + 2a)$ = $\mathbf{-3a^2 + 5a - 2}$

10. $(21b^3 + 4b + 3) + (2b^2 - 11)$ = $\mathbf{21b^3 + 2b^2 + 4b - 11}$