

*A.A.13: Add, subtract, and multiply monomials and polynomials.*

1. 080710a, P.I. A.A.13

The sum of  $8x^2 - x + 4$  and  $x - 5$  is

- [A]  $8x^2 - 2x - 1$       [B]  $8x^2 - 1$   
[C]  $8x^2 - 2x + 9$       [D]  $8x^2 + 9$

2. 069904a, P.I. A.A.13

The sum of  $3x^2 + x + 8$  and  $x^2 - 9$  can be expressed as

- [A]  $4x^4 + x - 1$       [B]  $4x^2 + x - 1$   
[C]  $4x^2 + x - 17$       [D]  $3x^4 + x - 1$

3. 080807a, P.I. A.A.13

What is the sum of  $2m^2 + 3m - 4$  and  $m^2 - 3m - 2$ ?

- [A]  $m^2 + 6m - 2$       [B]  $3m^2 + 6m - 6$   
[C]  $3m^2 - 6$       [D]  $m^2 - 6$

4. 010108a, P.I. A.A.13

The sum of  $3x^2 + 4x - 2$  and  $x^2 - 5x + 3$  is

- [A]  $4x^2 + x - 1$       [B]  $4x^2 - x - 1$   
[C]  $4x^2 - x + 1$       [D]  $4x^2 + x + 1$

5. 060805a, P.I. A.A.13

What is the sum of  $x^2 - 3x + 7$  and  $3x^2 + 5x - 9$ ?

- [A]  $4x^2 - 8x + 2$       [B]  $4x^2 - 2x - 2$   
[C]  $4x^2 + 2x - 2$       [D]  $4x^2 + 2x + 16$

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[1] B \_\_\_\_\_

[2] B \_\_\_\_\_

[3] C \_\_\_\_\_

[4] C \_\_\_\_\_

[5] C \_\_\_\_\_