Regents Exam Questions
A.A.13: Addition and Subtraction of Polynomials 4
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Name: _____

A.A.13: Addition and Subtraction of Polynomials 4: Add, subtract, and multiply monomials and polynomials

1   The expression $(3x^2 + 2xy + 7) - (6x^2 - 4xy + 3)$ is equivalent to

2   The expression $(x^2 - 5x - 2) - (-6x^2 - 7x - 3)$ is equivalent to

3   The expression $(2x^2 + 6x + 5) - (6x^2 + 3x + 5)$ is equivalent to

4   When $3x^2 - 8x$ is subtracted from $2x^2 + 3x$, the difference is

5   When $5x + 4y$ is subtracted from $5x - 4y$, the difference is

6   When $3g^2 - 4g + 2$ is subtracted from $7g^2 + 5g - 1$, the difference is

7   When $4x^2 + 7x - 5$ is subtracted from $9x^2 - 2x + 3$, the result is

8   When $3a^2 - 2a + 5$ is subtracted from $a^2 + a - 1$, the result is

9   If $2x^2 - 4x + 6$ is subtracted from $5x^2 + 8x - 2$, the difference is

10   When $3x^2 - 2x + 1$ is subtracted from $2x^2 + 7x + 5$, the result will be

11   When $-2x^2 + 4x + 2$ is subtracted from $x^2 + 6x - 4$, the result is

12   If $2x^2 - x + 6$ is subtracted from $x^2 + 3x - 2$, the result is

13   When $3a^2 - 7a + 6$ is subtracted from $4a^2 - 3a + 4$, the result is

14   If $2a^2 - 6a + 5$ is subtracted from $3a^2 - 2a + 3$, the result is

15   What is the result when $2x^2 + 3xy - 6$ is subtracted from $x^2 - 7xy + 2$?

16   Subtract $5x^2 - 7x - 6$ from $9x^2 + 3x - 4$.

17   Subtract $2x^2 - 5x + 8$ from $6x^2 + 3x - 2$ and express the answer as a trinomial.

A.A.13: Addition and Subtraction of Polynomials 4: Add, subtract, and multiply monomials and polynomials
Answer Section

1 ANS:
$-3x^2 + 6xy + 4$

REF: 080423a
2 ANS:
$7x^2 + 2x + 1$

REF: 060511a
3 ANS:
$-4x^2 + 3x$

REF: 010707a
4 ANS:
$-x^2 + 11x$

REF: 010523a
5 ANS:
$-8y$

REF: 061130ia
6 ANS:
$4g^2 + 9g - 3$

REF: 080819ia
7 ANS:
$5x^2 - 9x + 8$

REF: 060923ia
8 ANS:
$-2a^2 + 3a - 6$

REF: 010019a
9 ANS:
$3x^2 + 12x - 8$

REF: 060019a
10 ANS:
$-x^2 + 9x + 4$

REF: 080020a

11 ANS:
$3x^2 + 2x - 6$

REF: 080209a

12 ANS:
$-x^2 + 4x - 8$

REF: 010429a

13 ANS:
$a^2 + 4a - 2$

REF: 010619a

14 ANS:
$a^2 + 4a - 2$

REF: spring9805a

15 ANS:
$-x^2 - 10xy + 8$

REF: 011126ia

16 ANS:
$4x^2 + 10x + 2$

REF: 080123a

17 ANS:
$4x^2 + 8x - 10$

REF: 010934a