

NAME: _____

1. 060807ia, P.I. A.A.13

What is the product of $-3x^2y$ and $(5xy^2 + xy)$?

- [A] $-15x^3y^3 - 3x^3y^2$ [B] $-15x^3y^3 - 3x^3y$
[C] $-15x^3y^3 + xy$ [D] $-15x^2y^2 - 3x^2y$

2. 010819a, P.I. A.A.13

What is the product of $2r^2 - 5$ and $3r$?

- [A] $6r^2 - 15$ [B] $6r^3 - 15r$
[C] $6r^3 - 5$ [D] $6r^2 - 15r$

3. 060708a, P.I. A.A.13

What is the product of $(c + 8)$ and $(c - 5)$?

- [A] $c^2 - 40$ [B] $c^2 + 13c - 40$
[C] $c^2 + 3c - 40$ [D] $c^2 - 3c - 40$

4. 060015a, P.I. A.A.13

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

- [A] $x^2 - 36$ [B] $x^2 - 12x + 36$
[C] $x^2 + 36$ [D] $x^2 + 12x + 36$

5. 010430a, P.I. A.A.13

The expression $(a^2 + b^2)^2$ is equivalent to

- [A] $a^4 + a^2b^2 + b^4$ [B] $a^4 + 2a^2b^2 + b^4$
[C] $a^4 + 4a^2b^2 + b^4$ [D] $a^4 + b^4$

6. 060506a, P.I. A.A.14

When $3x^2 - 6x$ is divided by $3x$, the result is

- [A] $x + 2$ [B] $x - 2$
[C] $2x$ [D] $-2x$

7. 080817a, P.I. A.A.14

What is $6x^3 + 4x^2 + 2x$ divided by $2x$?

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

8. 010724a, P.I. A.A.14

The expression $(50x^3 - 60x^2 + 10x) \div 10x$ is equivalent to

- [A] $5x^2 - 6x + 1$ [B] $5x^3 - 6x^2 + x$
[C] $5x^2 - 6x$ [D] $5x^2 - 60x^2 + 10x$

[1] A

[2] B

[3] C

[4] B

[5] B

[6] B

[7] C

[8] A