

Section 11-5: Factoring the Difference of Two Perfect Squares

1. fall0706ia, P.I. A.A.19

The expression $x^2 - 16$ is equivalent to

- [A] $(x+2)(x-8)$ [B] $(x+4)(x-4)$
[C] $(x-2)(x+8)$ [D] $(x+8)(x-8)$

2. 010414a, P.I. A.A.19

What is a common factor of $x^2 - 9$ and $x^2 - 5x + 6$?

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

3. 010105a, P.I. A.A.19

One of the factors of $4x^2 - 9$ is

- [A] $(4x - 3)$ [B] $(2x + 3)$
[C] $(x + 3)$ [D] $(x - 3)$

4. 080711a, P.I. A.A.19

One factor of the expression $x^2y^2 - 16$ is

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

5. 010201a, P.I. A.A.19

Expressed in factored form, the binomial $4a^2 - 9b^2$ is equivalent to

- [A] $(2a - 9b)(2a + b)$ [B] $(4a - 3b)(a + 3b)$
[C] $(2a + 3b)(2a - 3b)$
[D] $(2a - 3b)(2a - 3b)$

[1] B

[2] B

[3] B

[4] B

[5] C