Trig Review Quiz 2

Name _____

_____1. Simplify $(5n^5)^2$

A. $10n^7$ B. $25n^7$ C. $10n^{10}$ D. $25\ n^{10}$

_____2. Simplify $n^7 \bullet n^2$

A. n^9 B. n^{14} C. n^5 D. $9n$

_____3. Simplify $(x - 1)(x^2 + 2x + 3)$

A. $x^3 + x^2 + x - 3$ B. $x^3 + 2x^2 + x - 3$

C. $x^3 + x^2 - x - 3$ D. $x^3 + x^2 + 2x - 3$

_____4. Simplify $2(2n - 4) - (6n - 2)$

A. $-2n - 10$ B. $-2n - 6$ C. $2n - 10$ D. None of the above

_____5. Simplify $(n + 5)^2$

A. $n^2 + 25$ B. $n^2 + 10$ C. $n^2 + 10n + 25$ D. $n^2 + 10n + 10$

_____6. Simplify $\sqrt{20a^3y^{10}}$

A. $2ay^5\sqrt{5ay}$ B. $5ay^5\sqrt{2a}$ C. $2ay^5\sqrt{5a}$ D. $5ay^5\sqrt{2ay}$

_____7. Solve by factoring: $x^2 - x - 20 = 0$

A. $x = -5$ or $x = 4$ B. $x = 5$ or $x = -4$

C. $x = 5$ or $x = 4$ D. $x = -5$ or $x = -4$

_____8. Simplify $(2n^3y^4)^2 + n(n^5)y^8$

A. $5n^6y^8$ B. $3n^6y^8$ C. $5n^3y^4$ D. $8n^{12}y^{16}$

_____9. If you were to list out all the possible combinations of what $40x^2 + 29x + 3$ could break down to, how many combinations would you have?

A. 4 B. 6 C. 8 D. 10

_____ 10. Factor $2x^2 + 21x + 10$