

Trig Review Quiz 0 F

- _____1. 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. $x^3 + x^2 + 2x - 3$
- _____2. Simplify $(2n^3 + 5n)(4n^3 + 2n)$
A. $8n^6 + 24n^4 + 10n^2$ B. $8n^9 + 24n^4 + 10n^2$
C. $8n^6 + 20n^3 + 10n$ D. $8n^9 + 24n^3 + 10n^2$
- _____3. Simplify $(2n^3)^3$
A. $6n^6$ B. $6n^9$ C. $8n^6$ D. $8n^9$
- _____4. $(n + 10)^2$
A. $n^2 + 20$ B. $n^2 + 100$ C. $n^2 + 10n + 100$ D. $n^2 + 20n + 100$
- _____5. Simplify $\sqrt[4]{a^8b^2c^{13}}$
A. $ac^3\sqrt[4]{b^2c}$ B. $a^2c^3\sqrt[4]{b^2c}$ C. $a^2bc^3\sqrt[4]{c}$ D. $a^2c^2\sqrt[4]{b^2c^2}$
- _____6. Solve for n: $4(2n + 5) + 2(3n + 5) = 10n + 22$
A. $n = -4$ B. $n = \frac{1}{2}$ C. $n = -2$ D. $n = 2$
- _____7. Simplify $\sqrt{160}$
A. 40 B. $10\sqrt{4}$ C. $2\sqrt{40}$ D. $4\sqrt{10}$
- _____8. Simplify $\sqrt[3]{16x^4y^8}$
A. $4xy^2\sqrt[3]{2xy^2}$ B. $2xy\sqrt[3]{2xy^2}$ C. $2xy^2\sqrt[3]{2xy^2}$ D. None of the above
- _____9. Solve for n: $4(n - 2) - (2n - 6) = 10$
A. $n = -6$ B. $n = 12$ C. $n = 6$ D. $n = -12$
- _____10. $(5a^2n^3)(-2a^2n^3)$
A. $3a^2n^3$ B. $-10a^4n^9$ C. $-10a^4n^6$ D. None of the above