

Trig Review Quiz 0-1 C

Name _____

- _____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. Simplify $\sqrt{20a^3y^{10}}$
A. $2ay^5\sqrt{5a}$ B. $5ay^5\sqrt{2a}$ C. $2ay^5\sqrt{5a}$ D. $5ay^5\sqrt{2ay}$
- _____5. Simplify $\sqrt[3]{x^4y^{10}}$
A. $xy^4\sqrt[3]{xy}$ B. $xy^3\sqrt[3]{xy^2}$ C. $xy^3\sqrt[3]{xy}$ D. $xy\sqrt[3]{y}$
- _____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 $\frac{n^2+4n+3}{n^2+7n+12}$
A. $\frac{n+3}{n+4}$ B. $\frac{1}{n+4}$ C. $\frac{1}{3n+4}$ D. $\frac{n+1}{n+4}$
- _____8. Simplify $\frac{n^2-16}{n^2+n-20}$
A. $\frac{n-4}{n-5}$ B. $\frac{n+4}{n-5}$ C. $\frac{n+4}{n+5}$ D. Doesn't simplify
- _____9. Perform the following division $n+4 \overline{)n^2+5n+2}$
A. $n+9+\frac{-34}{n+4}$ B. $n+1+\frac{-2}{n+4}$ C. $n+1+\frac{6}{n+4}$ D. $n+9+\frac{38}{n+4}$
- _____10. Factor $8n^3+125$
A. $(2n+5)(4n^2+10n+25)$ B. $(2n-5)(4n^2+10n+25)$
C. $(2n+5)(4n^2-10n+25)$ D. $(2n-5)(8n^2+10n+25)$