Neil

Mr. ~~Neal~~: We have information regarding John Neal on a family record sheet in the early 1800's. You may want to plan a visit to the museum as we have quite a lot of information that has come to us from the previous site. We are in the process of organizing the information, but it is searchable at this point.

Dale Connor, Research Volunteer

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Mike Neil

John Neil early 1800s

Alexander H Neil
→ father?

early 1800s

Question 5 (1 point) Save

$(x^4y^6)^{1/2}$

- 1) x^2y^3
- 2) $2^{x^4y^6}$
- 3) x^3y^2
- 4) x^8y^{12}

Question 6 (1 point) Save

$(-64)^{2/3}$

- 1) -16
- 2) -4
- 3) 16
- 4) Not a real number

$a^{m/n} = (\sqrt[n]{a})^m$

Question 7 (1 point) Save

$(256h^{14}k^{16})^{3/2}$

- 1) $4096^{k^{21}h^{21}}$
- 2) $256^{k^{21}h^{21}}$
- 3) $4096^{h^{21}k^{24}}$
- 4) $4096^{k^{21}h^{24}}$

$m=3$, $n=2$, $a = 256h^{14}k^{16}$

Question 8 (1 point) Save

Simplify the expression. Assume all variables represent nonnegative real numbers. $z^{-2/5} \cdot z^{3/5}$

- 1) $z^{5/6}$
- 2) $z^{6/5}$
- 3) z^5
- 4) $z^{1/5}$

$(256h^{14}k^{16})^{\frac{3}{2}} = \sqrt[2]{256h^{14}k^{16}}^3 = \sqrt[2]{(16h^7k^8)^2}^3 = (16h^7k^8)^3 = 256h^{21}k^{24}$

Question 9 (1 point) Save

$\frac{\sqrt[5]{u^9}}{\sqrt[7]{u^9}}$

$\frac{(u^9)^{\frac{1}{5}}}{(u^9)^{\frac{1}{7}}} \quad \frac{u^{\frac{9}{5}}}{u^{\frac{9}{7}}} \quad \frac{u^{\frac{9}{7}}}{u^{\frac{9}{7}}} \quad u$