

Name: _____ Class Period: _____ Date: _____

Who said, "Kind hearts are the gardens, Kind thoughts are the roots, Kind words are the flowers, Kind deeds are the fruits, Take care of your garden And keep out the weeds, Fill it with sunshine Kind words and kind deeds"?

Simplify each square root. Find the simplified form in the box. Put the letter next to it in the spot for the question below.

1. $\sqrt{49a^3}$

6. $\frac{\sqrt{108a^6b}}{\sqrt{3a^2}}$

11. $\frac{\sqrt{980a^{15}}}{\sqrt{441b^8}}$

2. $\sqrt{128a^2b}$

7. $\frac{\sqrt{245b}}{\sqrt{20b^3c^4}}$

12. $\frac{\sqrt{2160b^9}}{\sqrt{768b^6}}$

3. $\sqrt{567ab^2}$

8. $\sqrt{3087a^4b^6c}$

13. $\frac{4\sqrt{567a^{11}b^{12}}}{3\sqrt{112a^5b^7}}$

4. $\frac{\sqrt{a^3b^4c}}{\sqrt{ab^2}}$

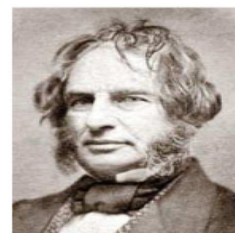
9. $\sqrt{3872a^5bc^3}$

14. $\frac{\sqrt{450a^5b^7}}{\sqrt{9ab}}$

5. $\frac{\sqrt{16a^3b}}{\sqrt{4ab^3}}$

10. $\sqrt{2028a^9b^4}$

R: $ab\sqrt{c}$	W: $3a^3b^2\sqrt{b}$	L: $5a^2b^3\sqrt{2}$	O: $6a^2\sqrt{b}$	A: $7a\sqrt{a}$
T: $8a\sqrt{2b}$	G: $9b\sqrt{7a}$	N: $21a^2b^3\sqrt{7c}$	S: $26a^4b^2\sqrt{3a}$	
Y: $44a^2c\sqrt{2abc}$	E: $\frac{2a}{b}$	F: $\frac{2a^7\sqrt{5a}}{3b^4}$	H: $\frac{3b\sqrt{5b}}{4}$	D: $\frac{7}{2bc^2}$



(1807 – 1882)
American Author

12 5 8 4 9 13 1 7 10 13 6 4 2 12 14 6 8 3 11 5 14 14 6 13

For help with this worksheet go to Mathops.com Section 15 Lesson 2.

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