

NAME: \_\_\_\_\_

Simplify:

1.  $\sqrt{27x^{11}y^6}$

2.  $\sqrt{8x^3y^8}$

3.  $\sqrt{72x^9y^4}$

4.  $\sqrt{48x^5y^{10}}$

5.  $\sqrt{75x^7y^2}$

6.  $\sqrt[4]{x^{11}y^6}$

7.  $\sqrt[5]{x^{18}y^{22}}$

8.  $\sqrt[3]{x^5y^{11}}$

9.  $\sqrt[3]{x^{11}y^5}$

10.  $\sqrt[5]{x^7y^{24}}$

[1]  $3x^5y^3\sqrt{3x}$

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[2]  $2xy^4\sqrt{2x}$

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[3]  $6x^4y^2\sqrt{2x}$

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[4]  $4x^2y^5\sqrt{3x}$

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[5]  $5x^3y\sqrt{3x}$

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[6]  $x^2y\sqrt[4]{x^3y^2}$

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[7]  $x^3y^4\sqrt[5]{x^3y^2}$

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[8]  $xy^3\sqrt[3]{x^2y^2}$

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[9]  $x^3y\sqrt[3]{x^2y^2}$

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[10]  $xy^4\sqrt[5]{x^2y^4}$

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