

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Simplify:

$$\sqrt[3]{48x^3y^8z^7} =$$

$$9^{1/4} \div 9^{3/4} =$$

$$2\sqrt{a^3} + 3a\sqrt{a} - 2a\sqrt{4a} =$$

$$\sqrt[4]{16a} \div \sqrt[4]{a^5} =$$