

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. Find an equation for the line L_2 that passes through the point $(2, 7)$ and is parallel to the line L_1 passing through the points $(-1, 0)$ and $(2, -6)$. Please, put your final answer in the slope-intercept form.

2. Use the rules of exponents to simplify the following expressions:

(a) $\sqrt[3]{\frac{8y^3}{x^6}}$

(b) $\frac{(9xy^3z)^2}{3(xyz)^2}$