

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 passing through the point $(-2, 0)$ and perpendicular to the line with equation $x + 2y = 1$.

2. Simplify leaving your answers without negative exponents:

$$(x^3y^{-5}x^7)^{-3} =$$

$$\left(\frac{16}{9}\right)^{-1/2} =$$