

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. Compute and simplify leaving your answers without negative exponents:

(a)  $\left(-\frac{3y^3}{x}\right)^{-2} \cdot (2x^2y)^5 =$

(b)  $(x^2 + 7x - 2)(x + 3) =$

(c)  $(2x - 5)^2 =$

(d)  $(2x^3 + 3z^7)(2x^3 - 3z^7) =$