

## Algebra I - Midterm Review #1

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### Do Now:

1) Simplify and write in standard form.

$$\frac{1}{4}x[(4x^2 + 7x) + (x^3 + 9x - 8)]$$

2) Solve for  $v$ .

$$K = \frac{mv^2}{2}$$

3) Solve for  $x$ .

$$\frac{x+3}{16} + \frac{1}{4} = \frac{x+6}{8}$$