



2. [15 pnts.] Reduce each of the following to a polynomial in the least number of terms.

a.  $\frac{x^2+2x}{(x)^{-1}}$   $\underline{\hspace{2cm}}x^3 + 2x^2\underline{\hspace{2cm}}$

b.  $(x^3 + 2x)(x - 1)$   $\underline{\hspace{2cm}}x^4 - x^3 + 2x^2 - 2x\underline{\hspace{2cm}}$

c.  $(x^n)\frac{(x^{-2n})}{x^{-n}}$   $\underline{\hspace{2cm}}1\underline{\hspace{2cm}}$

d.  $(x^m + 2m)^2$   $\underline{\hspace{2cm}}x^{2m} + 4mx^m + 4m^2\underline{\hspace{2cm}}$

e.  $\frac{4x^2}{2} \frac{x+1}{2x}$   $\underline{\hspace{2cm}}x^2 + x\underline{\hspace{2cm}}$