

**Directions:** Do the following problems on a separate sheet of paper. Show all work.

**Factor.**

a) $3w^4 - 27w^3 + 60w^2$	b) $40 - x^2 - 3x$
c) $6a^2b - 32ab + 10b$	d) $4m^2 - 16m + 15$
e) $x^2 - 2x - 48$	f) $80x^2 - 45$
g) $25p^2 + 9$	h) $3x^3 - 2x^2 - 27x + 18$
i) $9x^2 + 24x + 16$	j) $7x^2y + 63xy - 21y$