

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

**Factor.**

a) $15w^3 + 12w^2$	b) $2x^3 - 6x^2 + 14x$
c) $6p^4q + 12p^3q - 9pq$	d) $75x + 3x^3 - 30x$
e) $-x^2 + 6x - 9$	f) $y(y - 3) + 2(y - 3)$
g) $3p(p + 2) - (p + 2)$	h) $3a - 3b - ax + xb$

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