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a) Solve. $-x^2 - x + 3 = -9$	b) Factor. $2x^5 + 18x^4 + 40x^3$
c) Solve. $(x + 1)(x - 2) = 4$	d) Solve. $-\frac{1}{2}x^2 + \frac{7}{2}x + 12 = 3$
e) Factor. $3xy^2 - 48x$	f) Solve. $2x^3 - 3x^2 - 50x + 75 = 0$

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