

Name: _____ is Talented! 😊

Math 115 Spring 2026
Mr. Sahney

Standard 7 Practice

Please complete problems on a separate sheet of paper. Show all your work!

1. Factor completely if the polynomial is not factorable, write PRIME:

a. $6x^3 + 9x^2$

b. $x^3 + 3x^2 + 2x + 6$

c. $x^2 - 2x - 24$

d. $27x^5 + 36x^3 - 45x^2$

e. $12a^3 - 9a^2 + 4a - 3$

f. $y^2 + 8y + 15$

g. $2x^3y^8 + 6x^4y^2 + 10x^5y^{10}$

h. $b^2 + 4b + 11$

i. $2x^3 - 10x^2 + 3x - 15$

j. $3x^2 - 12x - 36$