1.1 
$$f(x_1, x_2, x_3) = x_1^2 x_2 + 5x_2 x_3 - x_3 + 10$$

2.  $f(x_1, x_2, x_3) = x_1^2 x_2 + 5x_2 x_3 - x_3 + 10$ 

3.  $f(x_1, x_2, x_3) = x_1^2 x_2 + 5x_2 x_3 - x_3 + 10$ 

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3.  $f(x_1, x_2, x_3) = x_1^2 x_2 + x_2^2 x_3 + x_3^2 + x_3^2$