Divide.

7. $(6x^3 + 2x^2 - 11x + 12) \div (3x + 4)$

8. $(x^4 + 2x^3 + x - 3) \div (x - 1)$

9. $(2x^4 + 3x^3 - 4x^2 + x + 1) \div (2x - 1)$

10. $(x^5 - 1) \div (x - 1)$

31. A box is to be mailed. The volume in cubic inches of the box can be expressed as the product of its three dimensions: $V(x) = x^3 - 16x^2 + 79x - 120$. The length is $x - 8$. Find linear expressions for the other dimensions. Assume that the width is greater than the height.