Advanced Algebra

Polynomials and the Intro to the Derivative Assignment #8

Either factor the given polynomial or multiply it out to general form.

1) $y = x^3 + 12x^2 + 20x - 96$ has a given root at -6

Final factored form answer

2) y=(x-5)(x-3)(x+4)

Final general form answer

3) $y = 2x^3 - 9x^2 - 50x - 48$ has a given root at -2

Final factored form answer

4) $y = x^3 + 0x^2 - 28x + 48$ has a given root at -6	
	Final factored form answer
5) y= (x-2)(x+4)(x-6)	
	Final general form answer
6) y=3x ³ +16x ² -60x+32 has a given root at 2	
	Final factored form answer
7) y= (x-5)(x+8)(x-2)(x-4) hint: product of 2 binomials twice then 3 by 3 box	
	Final general form answer