Pre-Calculus 30 Graphing Polynomial Functions

$f(x) = x^4 + x^3 - 10x^2 - 4x + 24$						
Degree;	Leadi	ng Coefficient;				
Maximum Points:			-			
Minimum Points:			-10		x	
End Behaviour;			-			
Zeros/ x-interce	pts;			-10		
Factors;						
y-intercept;						
Intervals, where	positive and neg	gative				
Domain						
f(x)						
f(x) = (x-1)(x+2)(x+3)						
Degree; Leading Coefficient;			F			
Maximum point	s:		-			
Minimum Points:						
End Behaviour;			-10			
Zeros/ x-intercepts;						
Factors;						
y-intercept;						
Intervals, where positive and negative						
Domain		-				
f(x)						

$f(x) = -(x+2)^{2}$	$^{3}(x-4)$	10 [†] y		
Degree;	Leading Coefficient;			
Maximum point	ts:			
Minimum Point	s:	-10 10 x		
End Behaviour;				
Zeros/ x-interce	pts;	-10		
Factors;				
y-intercept;				
Intervals, where	positive and negative			
Domain				
f(x)				
$f(x) = -2x^3 + 6$	5x-4	10 ^y		
Degree;	Leading Coefficient;			
Maximum points:				
Minimum Point	s:	-10 10 x		
End Behaviour;				
Zeros/ x-interce				
	pts;	-10		
Factors;	pts;	-10		
Factors; y-intercept;	pts;	-10		
Factors; y-intercept; Intervals, where	pts; positive and negative			
Factors; y-intercept; Intervals, where Domain	pts;			
Factors; y-intercept; Intervals, where Domain f(x)	positive and negative			

Word Problem

1. Henry is preparing to make an ice-sculpture. He has a block of ice that is 3m by 4m by 5m. He needs to reduce the size of the block by removing the same amount from each side and having a volume of 24 m^3 .

- a. Write a polynomial to represent this function
- b. Determine how much he needs to remove from each side

2. Three consecutive integers have a product of -210, what are the three integers.