Pre-Calculus 30
Graphing Polynomial Functions



Word Problem

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