

Factoring by Grouping

How to factor a 4-term polynomial?

Step 1: Group the first 2-terms together and factor out the GCF.

Step 2: Group the last 2-terms together and factor out the GCF.

Step 3: Factor out the common binomial factor

The area of the material needed to manufacture a tin can is given by the polynomial $2\pi r^2 + 2\pi rh$, where the radius is r and height is h . Factor this expression