## Linear constraints

Can you write each of these requirements as linear constraint(s)?
Some of these are tricks...
$x_{i}$ times $x_{j}$ is at least 5
$5 x_{i}$ is equal to 1
$x_{i} \leq 5$ OR $x_{i} \geq 7$
$x_{i}$ is non-negative.
$x_{i}$ is an integer.

