```
Needs["VectorAnalysis`"]
```

$$A = \{1/2, 1, 0, 1\}, \{0, 0, 1\}, \{0, 1/2, 1/2\}\};$$

B = Inverse[Transpose[A]]

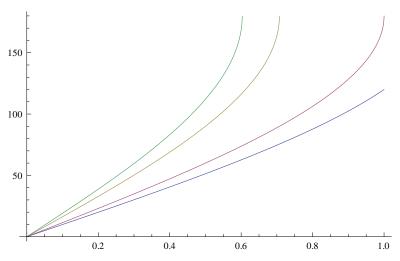
$$\{\{2,0,0\},\{-1,-1,1\},\{0,2,0\}\}$$

b = Sort [Transpose [

$$\{\sqrt{3}, 2, 2\sqrt{2}, \sqrt{11}\}$$

T = 2 ArcSin[x / 2 * b] / Pi * 180;

Plot[{T}, {x, 0, 1}]



Solve[T[[1]] = 42.2, x]

T /. %

$$\{\,\{\,x\,\to\,0\,.\,415689\,\}\,\}$$

 $\{\{42.2, 49.1254, 72.0123, 87.156\}\}$

1.5 / 0.4156885081510353

3.60847