**ME192**

**Homework #2 – Answers**

**9-10-14**

*Each problem is worth 4 points. With the extra credit problem, a maximum 24 points is possible.*

2.13

{A}

{U}

{B}

{C}



2.21 From the Taylor series, . Also =0 .



2.28 



2.31



2.37 From Eq. 2.45, the (2,4) element is the second element of the vector:



2.38

The angle is preserved with any rotation of the vectors. Multiplying each vector by R,



🡺 . 