## QUESTION 1

If vector $\mathbf{w}$ is of dimension $3 \times 1$ and matrix $\mathbf{A}$ of dimension $5 \times 3$, then what is the dimension of $\left(\mathbf{w}^{\top}\mathbf{A}^{\top}\mathbf{A}\mathbf{w}\right)^{\top}$?

○ $5 \times 5$

○ $3 \times 3$

○ $3 \times 1$

○ $1 \times 1$

**5 points**   Save Answer

Save Answer

## QUESTION 2

Is this the image of a tree?



○ yes

○ false

**5 points**   Save Answer

○●○   Rendered BlackBoard test

Slide Show | Hide Answers

**QUESTION 1** [ 5.0 marks ] *Multiple Choice*

If vector $\mathbf{w}$ is of dimension $3 \times 1$ and matrix $\mathbf{A}$ of dimension $5 \times 3$, then what is the dimension of $(\mathbf{w}^\top \mathbf{A}^\top \mathbf{A} \mathbf{w})^\top$ ?

a. $5 \times 5$

b. $3 \times 3$

c. $3 \times 1$

d. $1 \times 1$

**QUESTION 2** [ 5.0 marks ] *Multiple Choice*

Is this the image of a tree?



a. yes

b. false

Rendered HTML preview

**Q.1.** If vector $\mathbf{w}$ is of dimension $3 \times 1$ and matrix $\mathbf{A}$ of dimension $5 \times 3$, then what is the dimension of $\left(\mathbf{w}^\top \mathbf{A}^\top \mathbf{A}\mathbf{w}\right)^\top$?

Ⓐ $5 \times 5$

Ⓑ $3 \times 3$

Ⓒ $3 \times 1$

Ⓓ $1 \times 1$

[5.0 marks]

**Q.2.** Is this the image of a tree?



Ⓐ yes

Ⓑ false

[5.0 marks]