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| Last Name |  |
| First Name |  |

**Task 1** - **Creases**

A) Cross vault

Paste a screenshot of the **shell, form and force diagrams** *before* modifying the force diagram.

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Paste a screenshot of the **shell, form and force diagrams** *after* modifying the force diagram.

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B) Cross vault with central opening

Paste a screenshot of the **shell, form and force diagrams.**

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C) What is the difference in terms of force flow between a shell with supports at the four corners and a cross vault? (max 50 words).

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D) What differences in terms of force flow do you observe between the cross vaults from A) and B) ? (max 50 words).

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**Task 2** - **Holes**

A) Paste a screenshot of the **shell, form and force diagrams** with the central hole.

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B) Paste a screenshot of the **shell, form and force diagrams** with the central hole near a support.

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C) Paste a screenshot of the **shell, form and force diagrams** of the triangulated shell with the central hole.

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D) What differences in terms of force flow do you observe between the three cases? (max 50 words).

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E) What are the advantages and disadvantages of creating a hole in your shell when using a quadmesh versus a triangulated mesh? (max 50 words).

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