

**Answer Form**

**Theoretical Problem No. 1**

**Evolution of the Earth-Moon System**

**1. Conservation of Angular Momentum**

1a		0.2
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1b		0.2
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1c		0.3
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**2. Final Separation and Angular Frequency of the Earth-Moon System.**

2a		0.2
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2b		0.5
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2c		0.5
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2d		0.5
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2e		0.2
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2f		0.2
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2g		0.3
2h		0.3
2i		0.2

**3. How much is the Moon receding per year?**

3a		0.4
3b		0.4
3c		0.4
3d		0.4

3e		1.0
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3f		0.5
3g		1.0
3h		1.0

**4. Where is the energy going?**

4a		0.4
4b		0.4
4c		0.2
4d		0.3