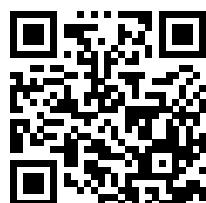




## **SoulShift - Educational Q&A Platform**

### **General Questions**

Practice Questions



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**Q1. What happens to the gravitational force if one of the masses is tripled?**

- A. It triples
- B. It remains the same
- C. It doubles
- D. It increases by a factor of nine

*Solution: If one of the masses is tripled, the gravitational force also triples, as  $F$  is directly proportional to the product of the masses.*

**Q2. What is the relationship between gravitational force and distance?**

- A. Directly proportional
- B. Inversely proportional
- C. Exponential
- D. Linear

*Gravitational force is inversely proportional to the square of the distance between the centers of the two masses.*



