

- 13** Two planets of masses M_1 and M_2 are a distance d apart. There is a point, lying on the line joining the planets, with zero gravitational field strength.

What is the distance of this point from M_1 ?

A $d \left(\frac{M_2}{M_1} \right)$

B $d \sqrt{\left(\frac{M_1}{M_2} \right)}$

C $d \sqrt{\left(\frac{M_1}{M_1 + M_2} \right)}$

D $d \left(\frac{\sqrt{M_1}}{\sqrt{M_1} + \sqrt{M_2}} \right)$