

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