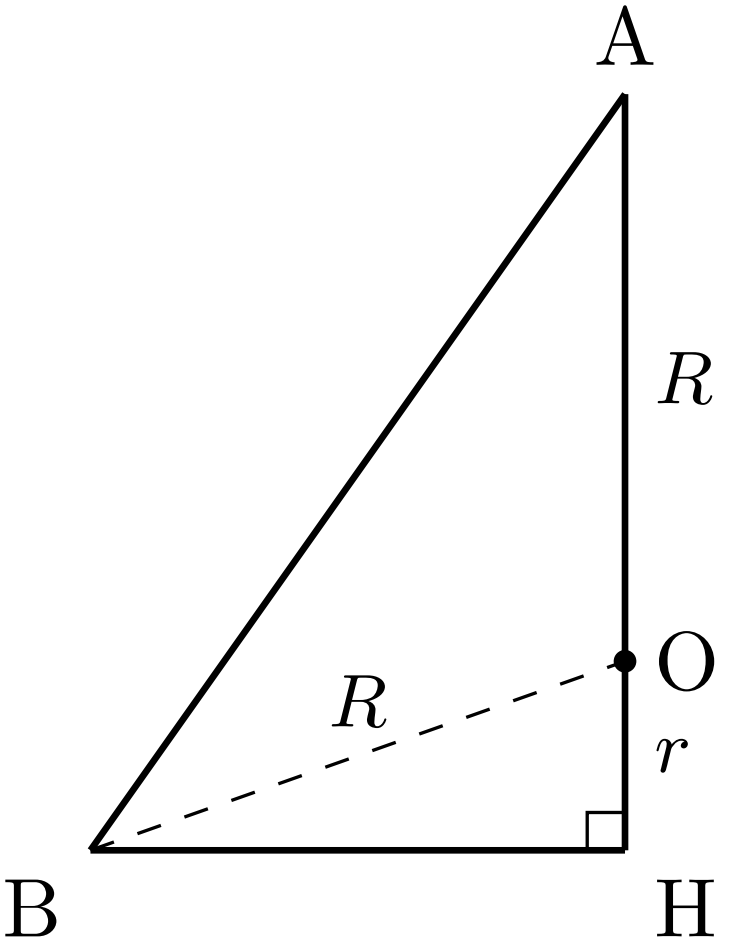


$\mathrm{BH} = 4\sqrt{3},\ \mathrm{AH} = 4\sqrt{6}$