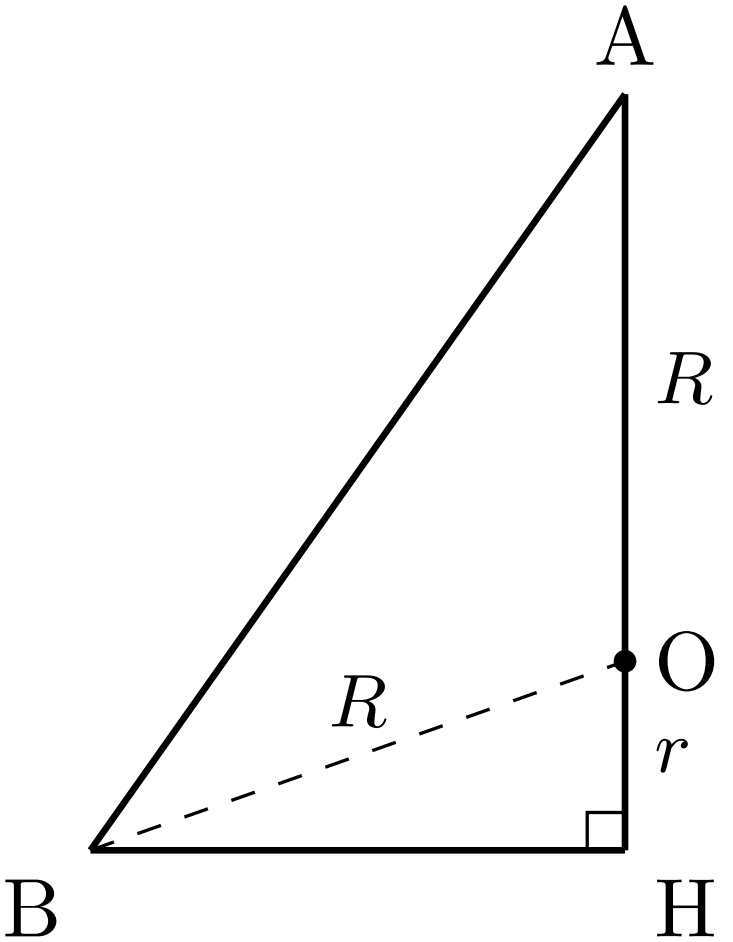


$\mathrm{BH} = 2\sqrt{3},\ \mathrm{AH} = 2\sqrt{6}$