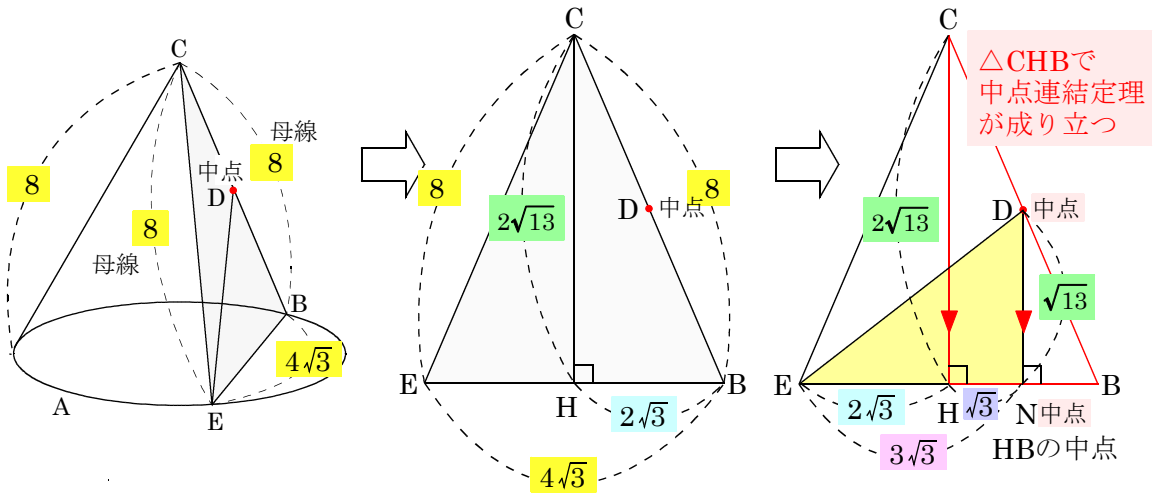


問6 (ウ)この円すいにおいて、2点D, E間を求めよ。



$$CH^2 + (2\sqrt{3})^2 = 8^2$$

$$CH^2 + 12 = 64$$

$$CH^2 = 52$$

$$CH = 2\sqrt{13}$$

$$(3\sqrt{3})^2 + (\sqrt{13})^2 = DE^2$$

$$27 + 13 = DE^2$$

$$40 = DE^2$$

$$2\sqrt{10} = DE$$

答 $2\sqrt{10}$ (cm)