

$$\sqrt{36+64+5^2}+\sqrt{20}=?$$

- $19+\sqrt{20}$
- $19\sqrt{20}$
- $\sqrt{145}$
- $5\sqrt{100}+\sqrt{20}$
- $7\sqrt{5}$

How did they get from this.



To this

$$\sqrt{36+64+5^2}+\sqrt{20} = \sqrt{125}+\sqrt{20} = \sqrt{25*5}+\sqrt{4*5} = 5\sqrt{5}+2\sqrt{5} = 7\sqrt{5}$$

The correct answer is E.

I need this sort of thing explained to me because I have forgotten some of the principles of math and simplifying.