

$$|ab|^{2} = |ac|^{2} + |bc|^{2}$$
$$\Rightarrow 8^{2} = |ac|^{2} + 4^{2}$$
$$\Rightarrow 64 = |ac|^{2} + 16$$
$$\Rightarrow |ac|^{2} = 48$$
$$\therefore |ac| = \sqrt{48} = 6.93$$

