

$$1) \quad A = (1, 1, 1) \quad B = (2, 3, 3) \quad C = (1, 4, -3)$$

$$|AB| = \sqrt{(2-1)^2 + (3-1)^2 + (3-1)^2} = \sqrt{1+4+4} = 3$$

$$|BC| = \sqrt{(2-1)^2 + (3-4)^2 + (3+3)^2} =$$

$$= \sqrt{1+1+36} = \sqrt{38}$$

$$|AC| = \sqrt{(1-1)^2 + (1-4)^2 + (1+3)^2} = \sqrt{0+16+16} = \sqrt{32} = 4\sqrt{2}$$

$$3^2 + 5^2 = (\sqrt{38})^2$$

$$9 + 25 = 38$$

$$34 \neq 38$$

NIE JEST

