

175)^{3.50}

a) $1^2 + 1,5^2 = 3,25$

$$2^2 = 4$$

Vastaus: ei ole suorakulmainen

b) $4,5^2 + 6,0^2 = 56,25$

$$7,5^2 = 56,25$$

Vastaus: on suorakulmainen

c) $16^2 + 85^2 = 7481$

$$86^2 = 7396$$

Vastaus: ei ole suorakulmainen

d) $27^2 + 34^2 = 1885$

$$49^2 = 2401$$

Vastaus: ei ole suorakulmainen

176) a) $17^2 + 8,0^2 = x^2$

$$289 + 64 = x^2$$

$$353 = x^2$$

$$x^2 = 353$$

|| $\sqrt{}$

$$x = \sqrt{353} = 18,78... \approx 19$$

b) $x^2 + 24^2 = 41^2$

$$x^2 + 576 = 1681$$

||- 576

$$x^2 = 1105$$

$$x = \sqrt{1105} = 33,24... \approx 33$$

$$c) \quad x^2 + 4,95^2 = 6,7^2$$

$$x^2 + 24,5025 = 44,89 \quad || - 24,5025$$

$$x^2 = 20,3875 \quad || \sqrt{}$$

$$x = \sqrt{20,3875} = \cancel{11,64511245}$$

$$= 4,515... \approx 4,5 \text{ (cm)}$$

$$d) \quad 800^2 + 1300^2 = x^2$$

$$640\,000 + 1\,690\,000 = x^2$$

$$x^2 = 2\,330\,000 \quad || \sqrt{}$$

$$x = \sqrt{2\,330\,000} = 1526,43... \approx 1500 \text{ (m)}$$