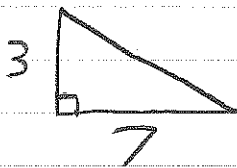


Using Pythagorean Theorem



Find hypotenuse

$$a^2 + b^2 = c^2$$

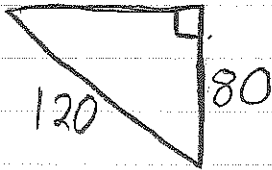
$$3^2 + 7^2 = c^2$$

$$9 + 49 = c^2$$

$$58 = c^2$$

$$\sqrt{58} = \sqrt{c^2}$$

$$7.62 = c$$



Find missing leg

$$a^2 + b^2 = c^2$$

$$- b^2 \quad - b^2$$

$$a^2 = c^2 - b^2$$

$$a^2 = 120^2 - 80^2$$

$$a^2 = 14400 - 6400$$

$$a^2 = 8000$$

$$\sqrt{a^2} = \sqrt{8000}$$

$$a = 89.44$$