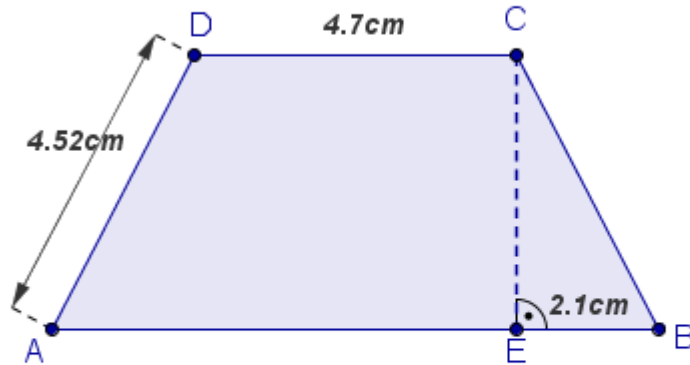


## Übungsblatt-1- zur Webseite

<http://www.realmath.de/Neues/Klasse9/pythaeubung/trapezpyth.html>

### Thema: Der Satz des Pythagoras

$$\begin{aligned} DC &\parallel AB \\ \overline{AD} &= \overline{BC} \end{aligned}$$

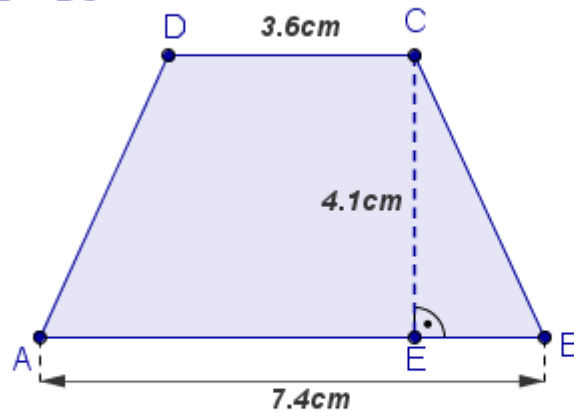


$$\overline{CE} = \sqrt{\quad} \text{ cm}$$

$$\overline{CE} = \quad \text{ cm}$$

### Thema: Der Satz des Pythagoras

$$\begin{aligned} DC &\parallel AB \\ \overline{AD} &= \overline{BC} \end{aligned}$$



$$\overline{BC} = \sqrt{\quad} \text{ cm}$$


$$\overline{BC} = \quad \text{ cm}$$

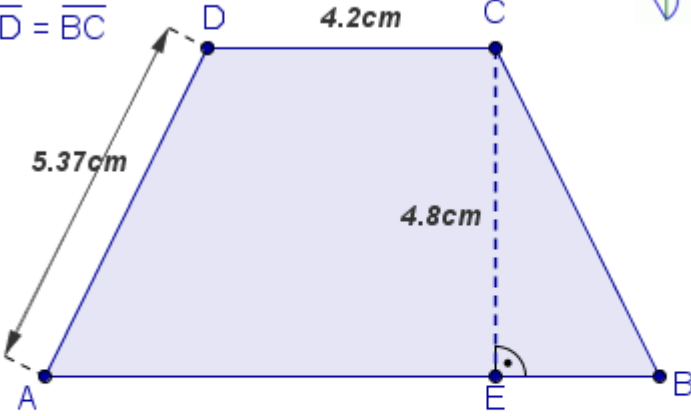
## Übungsblatt-2- zur Webseite

<http://www.realmath.de/Neues/Klasse9/pythauebung/trapezpyth.html>

**Thema: Der Satz des Pythagoras**

$DC \parallel AB$   
 $\overline{AD} = \overline{BC}$



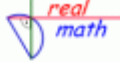


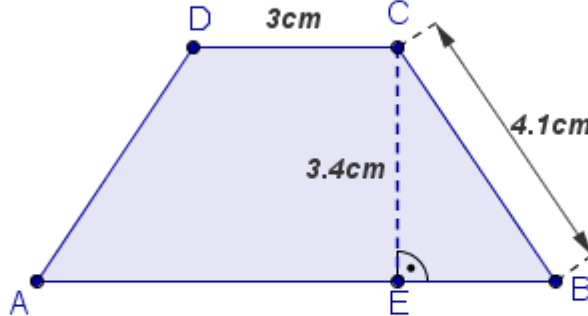
$\overline{EB} = \sqrt{\quad} \text{ cm}$

$\overline{EB} = \quad \text{ cm}$

**Thema: Der Satz des Pythagoras**

$DC \parallel AB$   
 $\overline{AD} = \overline{BC}$





$\overline{EB} = \sqrt{\quad} \text{ cm}$

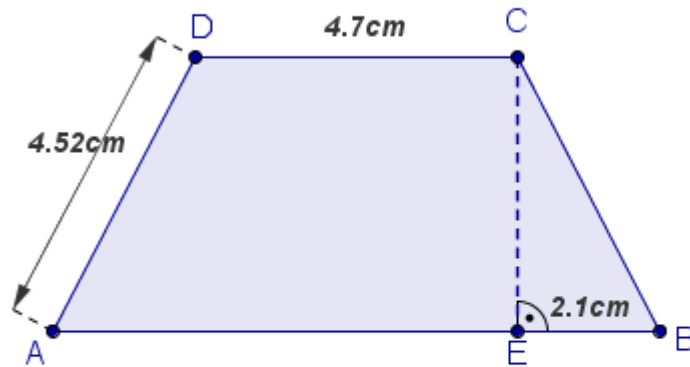
$\overline{AB} = \quad \text{ cm}$

### Lösungsblatt-1- zur Webseite

<http://www.realmath.de/Neues/Klasse9/pythaebung/trapezpyth.html>

#### Thema: Der Satz des Pythagoras

$$\begin{aligned} DC &\parallel AB \\ \overline{AD} &= \overline{BC} \end{aligned}$$



$$\overline{CE}^2 = \overline{BC}^2 - \overline{EB}^2$$

$$\overline{CE} = \sqrt{\overline{BC}^2 - \overline{EB}^2}$$

$$\overline{CE} = \sqrt{4.52^2 - 2.1^2} \text{ cm}$$

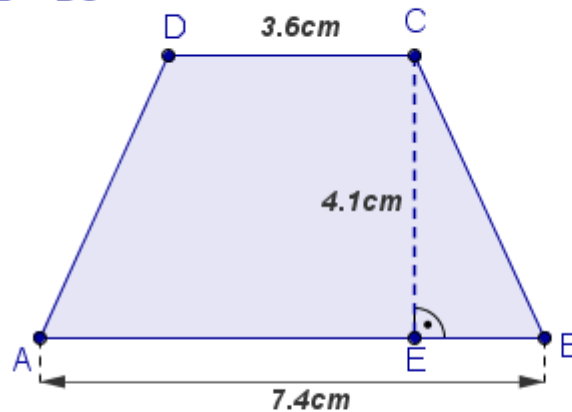
$$\overline{CE} = 4 \text{ cm}$$

$$\overline{CE} = \sqrt{4,52^2 - 2,1^2} \text{ cm}$$

$$\overline{CE} = 4,0 \text{ cm}$$

#### Thema: Der Satz des Pythagoras

$$\begin{aligned} DC &\parallel AB \\ \overline{AD} &= \overline{BC} \end{aligned}$$



$$\overline{BC}^2 = \overline{EC}^2 + \overline{EB}^2$$

$$\overline{BC} = \sqrt{\overline{EC}^2 + \overline{EB}^2}$$

$$\overline{BC} = \sqrt{4.1^2 + 1.9^2} \text{ cm}$$

$$\overline{BC} = 4.52 \text{ cm}$$

$$\overline{BC} = \sqrt{4,1^2 + 1,9^2} \text{ cm}$$


$$\overline{BC} = 4,5 \text{ cm}$$

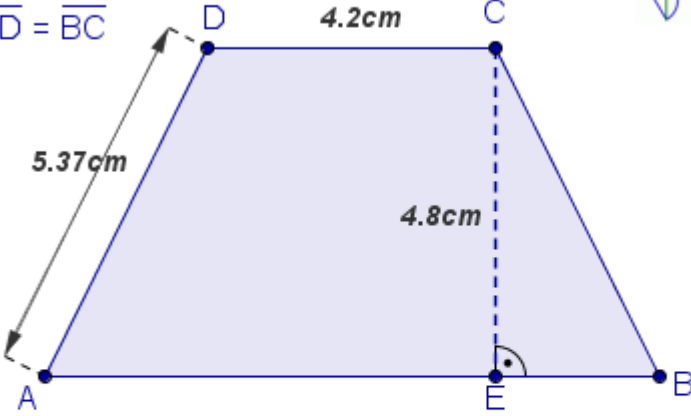
## Lösungsblatt-2- zur Webseite

<http://www.realmath.de/Neues/Klasse9/pythaebung/trapezpyth.html>

**Thema: Der Satz des Pythagoras**

$$\begin{aligned} DC &\parallel AB \\ \overline{AD} &= \overline{BC} \end{aligned}$$





$$\begin{aligned} \overline{EB}^2 &= \overline{BC}^2 - \overline{CE}^2 \\ \overline{EB} &= \sqrt{5.37^2 - 4.8^2} \text{ cm} \end{aligned}$$


$$\begin{aligned} \overline{EB} &= \sqrt{\overline{BC}^2 - \overline{CE}^2} \\ \overline{EB} &= 2.4 \text{ cm} \end{aligned}$$

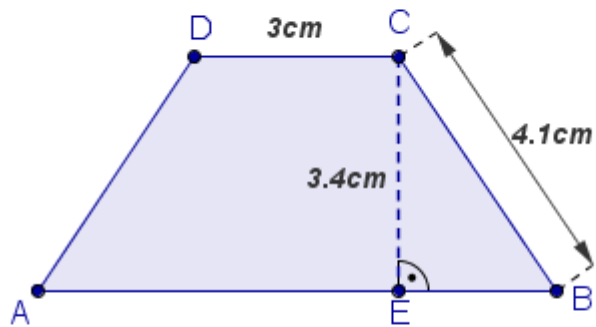
$\overline{EB} = \sqrt{5,37^2 - 4,8^2} \text{ cm}$

$\overline{EB} = 2,4 \text{ cm}$

**Thema: Der Satz des Pythagoras**

$$\begin{aligned} DC &\parallel AB \\ \overline{AD} &= \overline{BC} \end{aligned}$$





$$\begin{aligned} \overline{EB}^2 &= \overline{BC}^2 - \overline{CE}^2 \\ \overline{EB} &= \sqrt{4.1^2 - 3.4^2} \text{ cm} \end{aligned}$$

$$\begin{aligned} \overline{EB} &= \sqrt{\overline{BC}^2 - \overline{CE}^2} \\ \overline{AB} &= 7.6 \text{ cm} \end{aligned}$$

$\overline{EB} = \sqrt{4,1^2 - 3,4^2} \text{ cm}$

$\overline{AB} = 7,6 \text{ cm}$