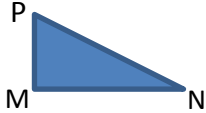
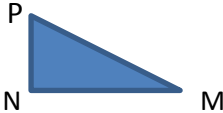
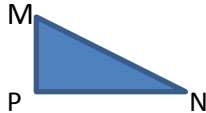


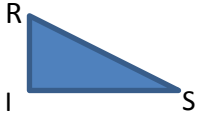
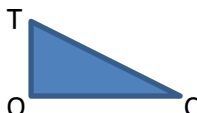
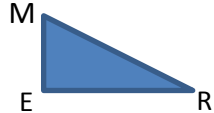
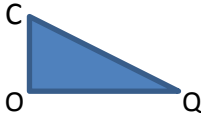
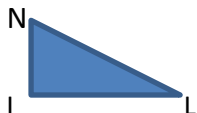
Exercise 1:

$NP^2 = MN^2 + MP^2$ $NP = \sqrt{5,76^2 + 5,2^2} = 7,76$ 	$MP^2 = MN^2 + NP^2$ $MN^2 = MP^2 - NP^2$ $MN = \sqrt{59,04^2 - 12,96^2} = 57,6$ 	$MN^2 = NP^2 + MP^2$ $MP^2 = MN^2 - NP^2$ $MP = \sqrt{549^2 - 99^2} = 540$ 
--	--	--

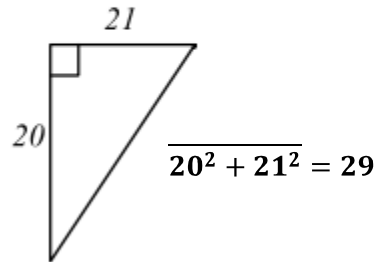
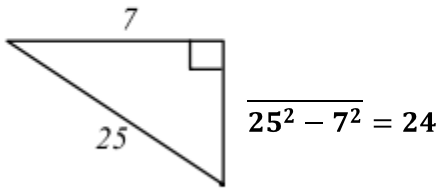
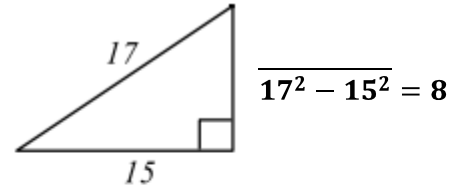
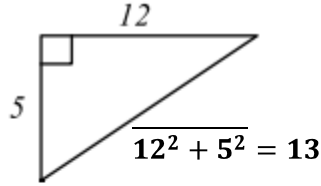
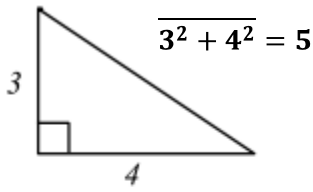
Exercise 2:

$BS^2 = BU^2 + US^2$ $BS = \sqrt{8^2 + 15^2} = 17 \text{ cm}$	$CR^2 = CA^2 + RA^2$ $CR = \sqrt{8,1^2 + 15,1^2} = 17,1 \text{ cm}$ $CR = 171 \text{ mm}$	$BT^2 = BU^2 + UT^2$ $UT^2 = BT^2 - BU^2$ $UT = \sqrt{10,5^2 - 6,3^2} = 8,4 \text{ cm}$
---	---	---

Exercise 3:

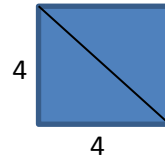
$RS^2 = RI^2 + IS^2$ $IS^2 = RS^2 - RI^2$ $IS = \sqrt{13^2 - 12^2} = 5 \text{ cm}$ 	$TC^2 = TO^2 + OC^2$ $TC = \sqrt{64^2 + 48^2} = 80 \text{ mm}$ 	$MR^2 = ME^2 + ER^2$ $ME^2 = MR^2 - ER^2$ $ME = \sqrt{87^2 - 60^2} = 63$ 
$CQ^2 = CO^2 + OQ^2$ $CQ = \sqrt{7^2 + 5^2} = 8,6 \text{ cm}$ $CQ = 86 \text{ mm}$ 	$NL^2 = NI^2 + IL^2$ $IL^2 = NL^2 - NI^2$ $IL = \sqrt{8^2 - 6,5^2} = 4,7$ 	

Exercice 4:



Exercice 5:

diagonale = $\sqrt{4^2 + 4^2} = 5,66 \text{ cm}$

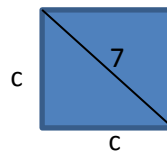


Exercice 8:

$diagonale^2 = c^2 + c^2 = 2c^2$

$c^2 = \frac{diagonale^2}{2}$

$c = \frac{\sqrt{diagonale^2}}{2} = \frac{7}{2} = 4,95 \text{ cm}$



Exercice 9:

$BC^2 = BA^2 + AC^2$ ou $BC^2 = BD^2 + DC^2$ ou $BC^2 = EC^2 - EB^2$

$AC^2 = BC^2 - BA^2$ ou $AC^2 = BD^2 + DC^2 - BA^2$ ou $AC^2 = EC^2 - EB^2 - BA^2$

$BD^2 = BC^2 - DC^2$ ou $BD^2 = BA^2 + AC^2 - DC^2$ ou $BD^2 = EC^2 - EB^2 - DC^2$

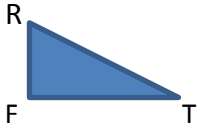
$$DC^2 = BC^2 - BD^2 \quad \text{ou} \quad DC^2 = BA^2 + AC^2 - BD^2 \quad \text{ou} \quad DC^2 = EC^2 - EB^2 - BD^2$$

Exercise 10:

$$RT^2 = FR^2 + TF^2$$

$$TF^2 = RT^2 - FR^2$$

$$TF = \sqrt{7,4^2 - 2,4^2} = 7 \text{ cm}$$

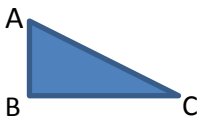


Exercise 11:

$$AC^2 = AB^2 + BC^2$$

$$BC^2 = AC^2 - AB^2$$

$$BC = \sqrt{13^2 - 5^2} = 12 \text{ cm}$$



$$BC^2 = AB^2 + AC^2$$

$$BC = \sqrt{5^2 + 13^2} = 13,9 \text{ cm}$$

