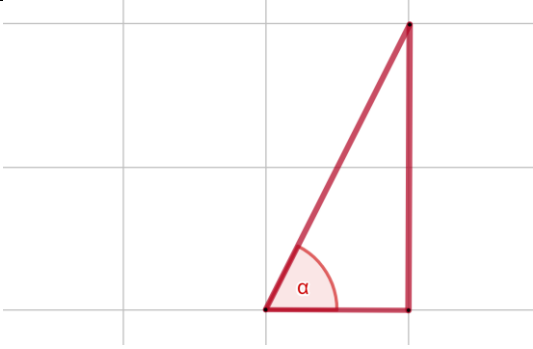
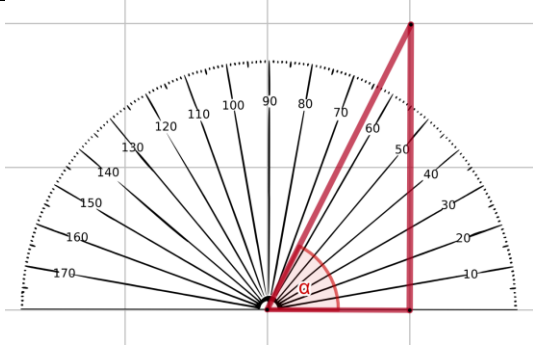
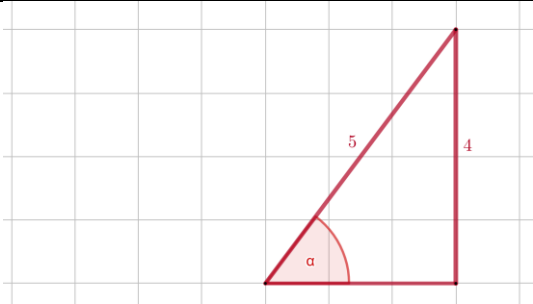
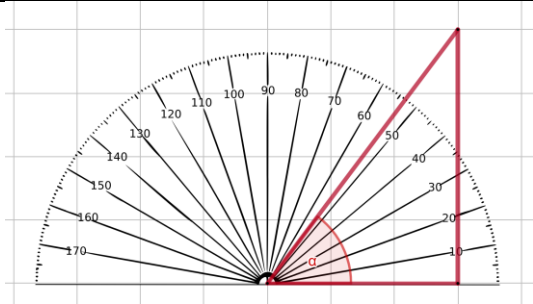


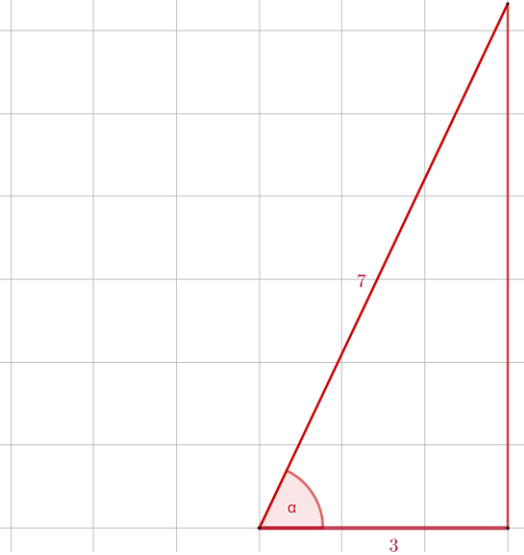
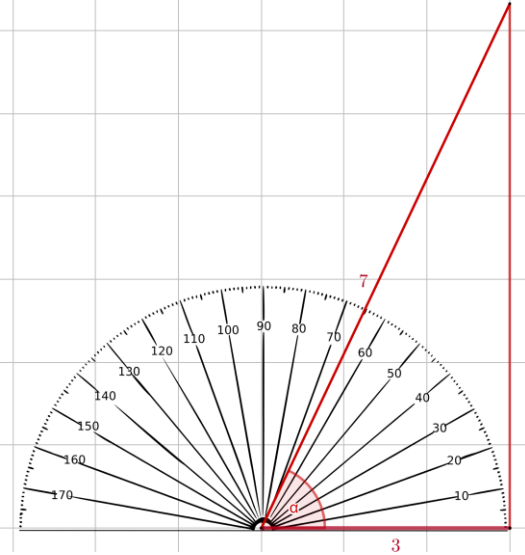
Task 1.

(a) Draw an acute angle $\alpha$ such that $\operatorname{tg}\alpha = 2$ .	(b) Measure the angle $\alpha$ using a protractor.
	 <p style="text-align: center;"><math>\alpha \approx 64^\circ</math></p>
(c) Find in <a href="#">trigonometric tables</a> (page 34) a number closest to the given value of $\operatorname{tg}\alpha$ .	(d) Find the size of the angle $\alpha$ in trigonometric tables
$\operatorname{tg}\alpha = 2 = 2.000 \approx 2.0503$	$\therefore \alpha \approx 64^\circ$

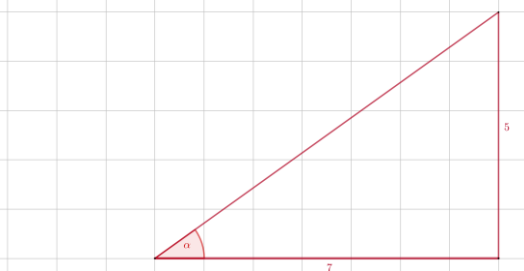
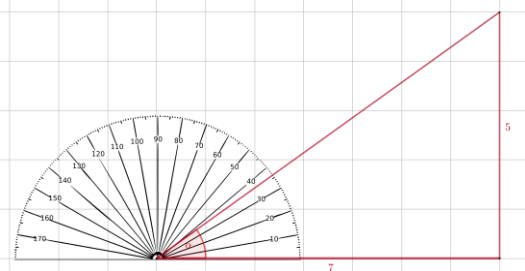
Task 2.

(a) Draw an acute angle $\alpha$ such that $\sin\alpha = \frac{4}{5}$ .	(b) Measure the angle $\alpha$ using a protractor.
	 <p style="text-align: center;"><math>\alpha \approx 54^\circ</math></p>
(c) Find in <a href="#">trigonometric tables</a> (page 34) a number closest to the given value of $\sin\alpha$ .	(d) Find the size of the angle $\alpha$ in trigonometric tables
$\sin\alpha = \frac{4}{5} = 0.8000 \approx 0,8090$	$\therefore \alpha \approx 54^\circ$

Task 3.

<p>(a) Draw an acute angle <math>\alpha</math> such that <math>\cos\alpha = \frac{3}{7}</math>.</p>	<p>(b) Measure the angle <math>\alpha</math> using a protractor.</p>
	
<p>(c) Find in <a href="#">trigonometric tables</a> (page 34) a number closest to the given value of <math>\cos\alpha</math>.</p>	<p>(d) Find the size of the angle <math>\alpha</math> in trigonometric tables</p>
<p><math>\cos\alpha = \frac{3}{7} \approx 0.4286 \approx 0.4226</math></p>	<p><math>\alpha \approx 65^\circ</math></p>

Task 4.

<p>(a) Draw an acute angle <math>\alpha</math> such that <math>\operatorname{ctg}\alpha = \frac{7}{5}</math>.</p>	<p>(b) Measure the angle <math>\alpha</math> using a protractor.</p>
	
<p>(c) Find in <a href="#">trigonometric tables</a> (page 34) a number closest to the given value of <math>\operatorname{tg}\alpha</math>.</p>	<p>(d) Find the size of the angle <math>\alpha</math> in trigonometric tables</p>
<p><math>\operatorname{ctg}\alpha = \frac{7}{5} \rightarrow \operatorname{tg}\alpha = \frac{5}{7}</math>  <math>\operatorname{tg}\alpha = \frac{5}{7} \approx 0.7142 \approx 0.7002</math></p>	<p><math>\alpha \approx 35^\circ</math></p>