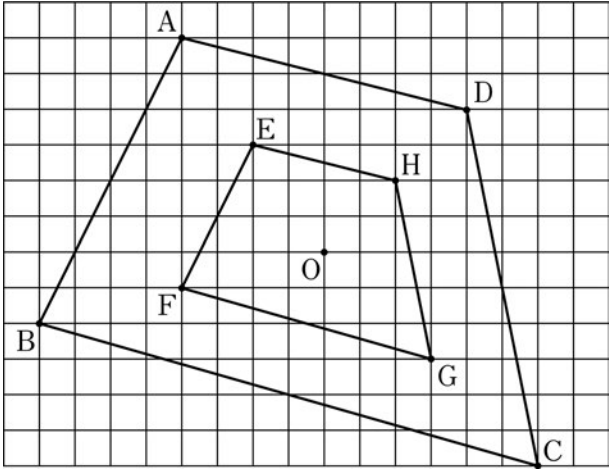


<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">1</div>	(1)	<p>Since $\triangle ABC$ is a right-angled triangle with $\angle BCA = 90^\circ$, using the Pythagorean theorem, we have</p> $ \begin{aligned} AB^2 &= AC^2 + BC^2 \\ &= 6^2 + 4^2 \\ &= 36 + 16 \\ &= 52. \end{aligned} $ <p>Since $AB > 0$, $AB = 2\sqrt{13}$ cm.</p> <p style="text-align: right;">(Answer) $2\sqrt{13}$ cm</p>
(2)	(2)	<p>(Answer) $\sqrt{26}$ cm</p>
<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">2</div>	(3)	
<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">3</div>	(4)	<p>(Answer) 28</p>

4	(5) (Answer) 0.899	<p>Since $\triangle ABC$ is a right-angled triangle with $\angle ABC = 90^\circ$, we have</p> $\tan 36^\circ = \frac{AB}{BC}.$ <p>Hence, we obtain</p> <p>(6)</p> $\begin{aligned} AB &= BC \tan 36^\circ \\ &= 50 \times 0.7265 \\ &= 36.325 \\ &\approx 36.3(\text{m}). \end{aligned}$ <p style="text-align: right;">(Answer) 36.3 m</p>
	(7)	
6	(8) (Answer) $\frac{1}{400}$	<p>When a player has three chances successively, let A be the event “the player gets three items Cs”. Then, the event “the player gets at least one item A or B” is the complementary event of A, which is \bar{A}. The probability of occurring event A, denoted by $P(A)$, is</p> $P(A) = \left(\frac{3}{4}\right)^3 = \frac{27}{64}.$ <p>(9) Therefore, the required probability $P(\bar{A})$ is</p> $P(\bar{A}) = 1 - P(A) = 1 - \frac{27}{64} = \frac{37}{64}.$ <p style="text-align: right;">(Answer) $\frac{37}{64}$</p>
	(10) (Answer) 5	