
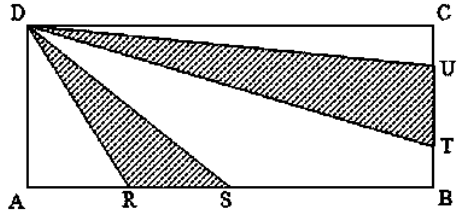
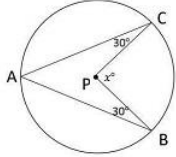


TUGAS 10

No	Soal	Pembahasan
1	<p>Tentukan hasil dari persamaan berikut</p> $\frac{2}{1 \times 3} + \frac{2}{3 \times 5} + \dots + \frac{2}{23 \times 25} =$ <p>A. 1/25 D. 24/25 B. 2/25 E. 26/25 C. 12/25</p>	
2	 <p>In the figure above, the circle is inscribed in the equilateral triangle. If the diameter of the circle is 2, what is the sum of the shaded area?</p> <p>(A) $3\sqrt{3} - \pi$ (B) $3\sqrt{3} - 4\pi$ (C) $3\sqrt{3} - \frac{3\pi}{2}$ (D) $6\sqrt{3} - \frac{3\pi}{2}$ (E) $108 - \pi$</p>	
3	<p>Consider the following figure!</p>  <p>Let $AB = 20$ cm, $BC = 8$ cm, $AB = 4RS$, and $BC = 2TU$. Calculate the shaded area of the figure above.</p> <p>A. 30 cm^2. B. 40 cm^2. C. 50 cm^2. D. 60 cm^2. E. 70 cm^2.</p>	

4	 <p>Point P is the center of circle in the figure above. What is the value of x?</p> <p>A. 100 B. 110 C. 115 D. 120 E. 130</p>	
5	<p>Jika $2^a = 3$, $3^b = 4$, $4^c = 5$, dan $5^d = 10$, maka nilai $2^{abcd+3} = \dots$</p> <p>(A) 30 (B) 60 (C) 80 (D) 100 (E) 1000</p>	
6	<p>Rahmat and Aji travel from A city to B city. Rahmat departs at 08.00 WIB using a motorcycle with a speed of 40 kmh, while Aji departs at 08.30 WIB using a bicycle with a speed of 60 kmh. When will Aji meet Rahmat?</p> <p>A. 08.45 WIB. B. 09.00 WIB. C. 09.15 WIB. D. 09.30 WIB. E. 09.45 WIB.</p>	
7	<p>$a + 2b + 3c = 12$ $2ab + 3ac + 6bc = 48$ The value $a + b + 3c$ is ...</p> <p>A. 8 B. 9 C. 10 D. 11 E. 12</p>	

SOAL Limit Tak Hingga!

1. $\lim_{x \rightarrow \infty} \sqrt{x^2 + 3x - 2} - x + 1 = \dots$

2. $\lim_{x \rightarrow \infty} x + 3 - \sqrt{x^2 + 4x - 1} = \dots$