บ็ดแช้ $4. \quad 51. \quad \sqrt{\frac{3\sqrt{432} - 3\sqrt{16}}{\sqrt[3]{250} + \sqrt[3]{128}}} + \frac{9}{3} = \sqrt{\frac{\sqrt[3]{2 \cdot 6^3} - \sqrt[3]{2 \cdot 2^3}}{\sqrt[3]{2 \cdot 5^3} + \sqrt[3]{2 \cdot 4^3}}} + \frac{2}{3} = \sqrt{\frac{6\sqrt[3]{2} - 9\sqrt[3]{2}}{5\sqrt[3]{2} + 4\sqrt[3]{2}}} + \frac{2}{3}$ $=\sqrt{\frac{4}{9}}+\frac{2}{3}=\frac{4}{3}$ 2. $\left(\frac{\text{Sin135}^{\circ} \cdot \text{Cot 60}^{\circ}}{\text{Cos 120}^{\circ}}\right)^{2} = \left(\frac{\frac{1}{12} \cdot \frac{1}{13}}{-\frac{1}{3}}\right)^{2} = \frac{\frac{1}{6}}{\frac{1}{4}} = \frac{2}{3}$ $0. \frac{x^3 + 27}{x^2 - 3x + 9} \cdot \frac{x^2 - 9}{3} = \frac{(x+3)(x^2 - 3x + 9) \times 3}{(x^2 - 3x + 9)(x - 3)(x + 3)}$ $= \frac{3}{x-3} \quad \text{as } x \neq \pm 3$ 2. 0' ≤ 0 ≤ 180° 2120 tanto+1 = 4 Ch zonoválue sinto $\frac{1}{\tan^2 0 + 1} = \frac{1}{4} \leftrightarrow \frac{1}{\frac{\sin^2 0}{10} + 1} = \frac{1}{4} \leftrightarrow \frac{1}{\frac{\sin^2 0 + \cos^2 0}{\cos^2 0}} = \frac{1}{4}$ $\frac{1}{1} = \frac{1}{4} \leftrightarrow \cos^2 \theta = \frac{1}{4} \leftrightarrow 1 - \sin^2 \theta = \frac{1}{4}$ $4 \quad S_1 \cdot n^2 0 = 1 - \frac{1}{4} \quad (1) \quad S_1 \cdot n^2 0 = \frac{3}{4}$ 3. 17 vul 20:7 260 8x2-6x+13 (1/ 2x-1 13) 2: 16 ch 2 vul 10 20 ant b W: 120 12; 301 27 07 24 Va-1 1308275 8x2-6x+13= (アx-1)(ax+b)+12 $8n^2 - 6n + 13 = 2ax^2 + 2bx - ax - b + 12$ $\begin{cases} 2\alpha = 8 \\ 2b - a = -6 \end{cases}$ $\begin{cases} a = 4 \\ b = -1 \end{cases}$ $\begin{cases} a = 4 \\ b = -1 \end{cases}$ 4. $0 < d : 2 \times + 4$ y + a = 0 aコンコランちゅん かいろの おくい、-1) |3 + 3 + 4 + 4 + 10 = 0 |3| & 5 = 2 + 9 = 10 = 0 |3| + 5 = 2 = 10 = 0 |3| + 10 = 0 |3| + 3 = 2 = 10 = 0 |3| + 10 = 0 |3| + 3 = 2 = 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3| + 10 = 0 |3distance = 4

5.
$$\frac{9}{9}$$
 $\frac{1}{9}$ \frac

6. ಜನ್ನಲ್ಲಾ

5.
$$x^{2022} + 2x^{2021} + x^{2020} = 0$$

$$x^{2020} (x^2 + 2x + 1) = 0$$

$$\begin{cases} 3 + x^2 = 3 - (1) \\ x + y = 3 - (2) \\ x + y = 3 - (2) \end{cases}$$

$$\begin{cases} x + y = 3 - (2) \\ x + y = x + y \\ x(x - 1) = 0 \end{cases}$$

$$\begin{cases} x = 0 \text{ if } x = 1 \\ y = 3 \text{ if } y = 2 \end{cases}$$

$$S = \begin{cases} C_0, 3 \end{cases}, (1, 2) \end{cases}$$

2.
$$2\sin x - 1 = 0$$
, $90^{\circ} \le x \le 180^{\circ}$
 $51^{\circ} \pi x = \frac{1}{2} = 51^{\circ} n \cdot 150^{\circ}$
 $90^{\circ} 70^{\circ} x = 150^{\circ}$
 $5 = \frac{150^{\circ}}{3 - 6} = \frac{1}{2}$
 $70^{\circ} 10^{\circ} = \frac{1}{2} = \frac{1}{2}$
 70°

Sign 20 W. SAABC t) かずいからいがっかいからり t)がか c=13 cm m: PABC t3)85in B = 75in A mu vinine Sim & a = 5 20012 1 Page = 28 cm | a= 3k, b= 7K a+b+c = 28 (8 K) + (3 K) + 13 = 58 $c^2 = a^2 + b^2 - 2ab$ (ως $c^2 = a^2 + b^2 - 2ab$ (ως $c^2 = a^2 + b^2 - c^2 = \frac{8^2 + 9^2 - 13^2}{2ab} = \frac{-56}{2.56} = -\frac{1}{2}$ $c^2 = a^2 + b^2 - c^2 = \frac{8^2 + 9^2 - 13^2}{2.56} = \frac{-56}{2.56} = -\frac{1}{2}$ $c^2 = a^2 + b^2 - 2ab$ (ως $c^2 = \frac{1}{2}$) 8. | SinBAC W: Smaco Sabc = 14 13 cm² E + > 02 [] ABCD & on ser my fig. 1 +) LAEB = 90° Out x = DE = EC W: CB = y = AD+ > 1 Tro- 31 $\Delta_{ADE} \cap \Delta_{BCE}$ 12 Solve 13 > 70 $\Delta_{E} = EB$ 4) $\frac{1}{2}$ \frac ... Sin BAE = TE WE SOABCD = 2x2 DIDU YRERT