

4.3 | 연습문제 정답

01. 증명 생략

02. 증명 생략

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05. 증명 생략

06. 증명 생략

07. 증명 생략

08. 증가: $x > 1$, 감소: $x < 1$

09. 위로 오목: $x < -\frac{1}{\sqrt{6}}$, $x > \frac{1}{\sqrt{6}}$

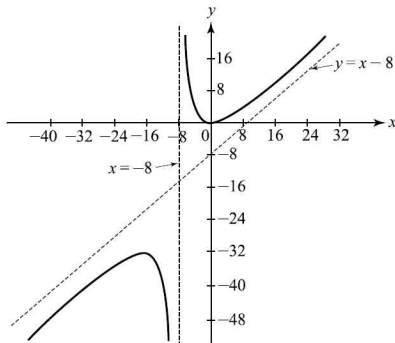
아래로 오목: $-\frac{1}{\sqrt{6}} < x < \frac{1}{\sqrt{6}}$

변곡점: $\left(-\frac{1}{\sqrt{6}}, \frac{31}{36} + \frac{2}{\sqrt{6}}\right), \left(\frac{1}{\sqrt{6}}, \frac{31}{36} - \frac{2}{\sqrt{6}}\right)$

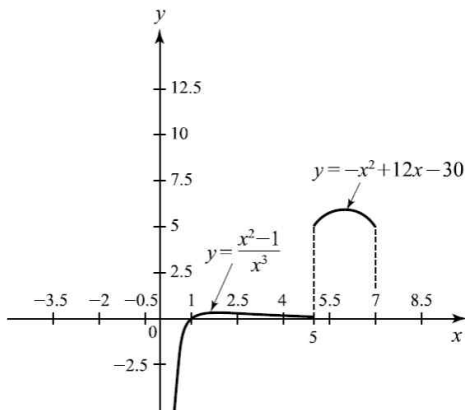
10. $\tan^{-1} \sqrt{1-x} < \frac{\pi-x}{4}$

11. 수직접근선 : $x = -2$, 사접근선 : $y = x - 2$

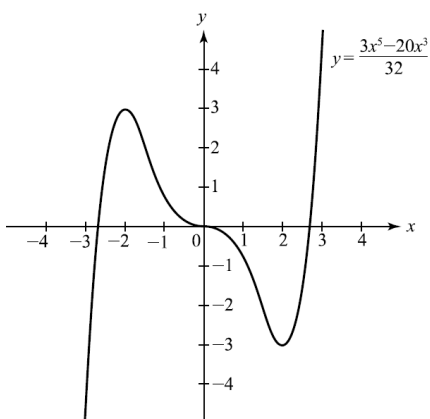
12.



13.



14.



15.

