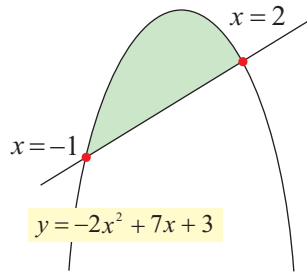


積分・面積公式 練習問題

■ 問題①～⑤は緑色の面積Sを, ⑥～⑩は式で囲まれた部分の面積Sを求めよ。

問題①

$$y = -2x^2 + 7x + 3$$



問題⑥

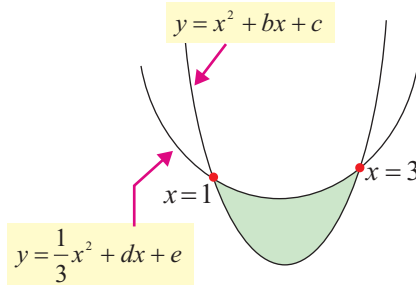
$$y = x^2 - ax + a^2$$

$$y = -x^2 + ax + 2a^2$$

問題②

$$y = x^2 + bx + c$$

$$y = \frac{1}{3}x^2 + dx + e$$



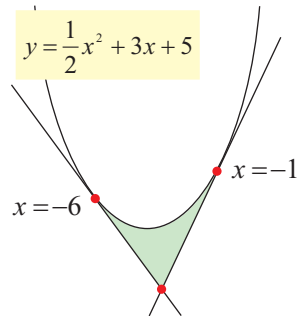
問題⑦

$$y = x^2 + 4x - 3$$

$$y = 2x$$

問題③

$$y = \frac{1}{2}x^2 + 3x + 5$$



問題⑧

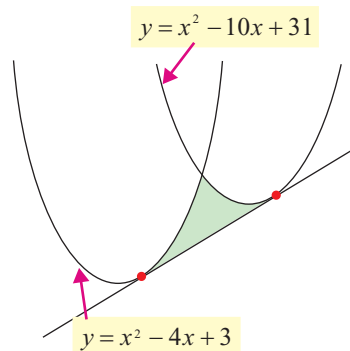
$$y = 4x^2 - 27$$

$$y = x^2$$

問題④

$$y = x^2 - 4x + 3$$

$$y = x^2 - 10x + 31$$



問題⑨

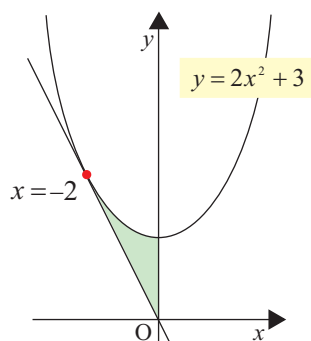
$$y = x - 1$$

$$y = x^2 - x$$

$$y = x^2 - 3x + 3$$

問題⑤

$$y = 2x^2 + 3$$



問題⑩

$$y = x^2$$

$$y = 4x - 4$$

$$y = -4x - 4$$