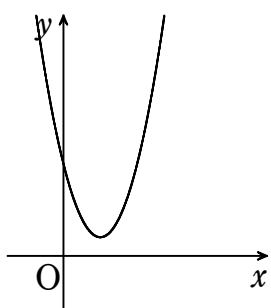
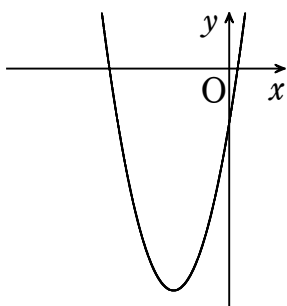


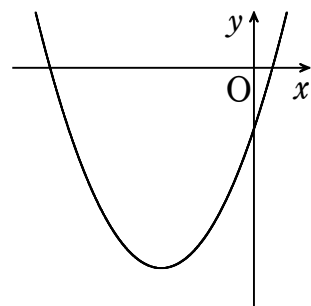
1 (1)  $y = x^2 - 4x + 5$   
 $= (x - 2)^2 + 1$



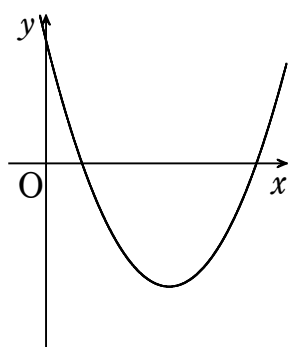
(2)  $y = x^2 + 6x - 3$   
 $= (x + 3)^2 - 12$



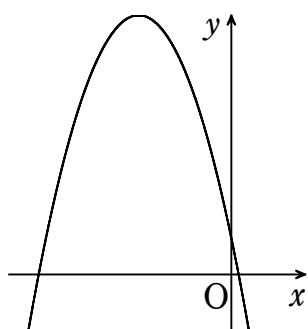
(3)  $y = x^2 + 3x - 1$   
 $= \left(x + \frac{3}{2}\right)^2 - \frac{13}{4}$



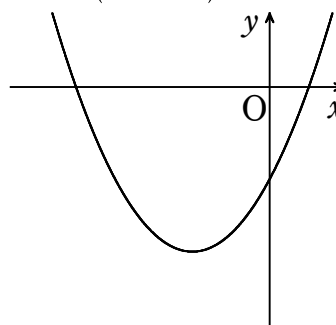
(4)  $y = 2x^2 - 4x + 1$   
 $= 2(x - 1)^2 - 1$



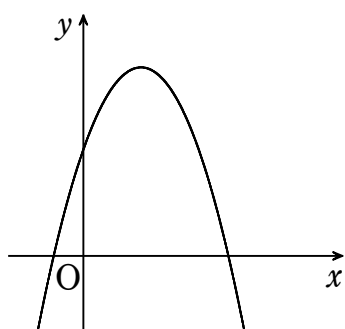
(5)  $y = -3x^2 - 12x + 2$   
 $= -3(x + 2)^2 + 14$



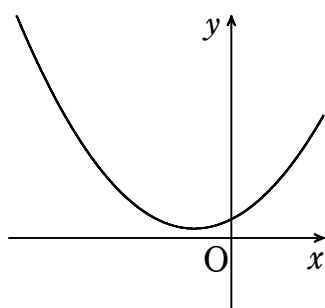
(6)  $y = 4x^2 + 5x - 2$   
 $= 4\left(x + \frac{5}{8}\right)^2 - \frac{57}{16}$



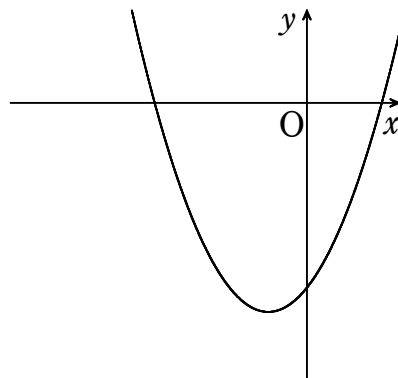
(7)  $y = -2x^2 + 5x + 4$   
 $= -2\left(x - \frac{5}{4}\right)^2 + \frac{57}{8}$



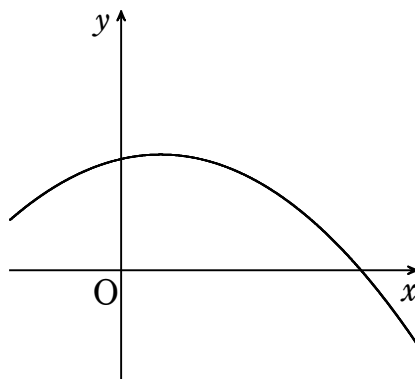
(8)  $y = \frac{1}{2}x^2 + x + 1$   
 $= \frac{1}{2}(x + 1)^2 + \frac{1}{2}$



(9)  $y = \frac{3}{2}x^2 + \frac{5}{4}x - 2$   
 $= \frac{3}{2}\left(x + \frac{5}{12}\right)^2 - \frac{217}{96}$

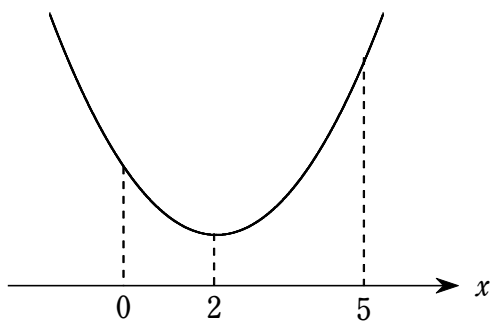


(10)  $y = -\frac{2}{3}x^2 + \frac{4}{7}x + 3$   
 $= -\frac{2}{3}\left(x - \frac{3}{7}\right)^2 + \frac{153}{49}$

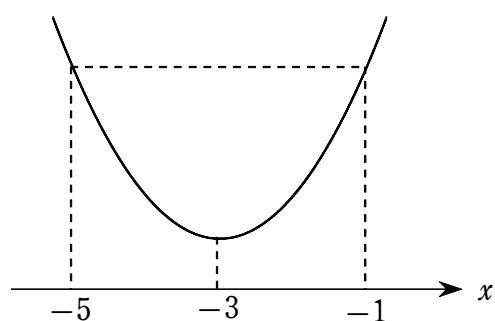


2次関数 計算練習プリント 解答

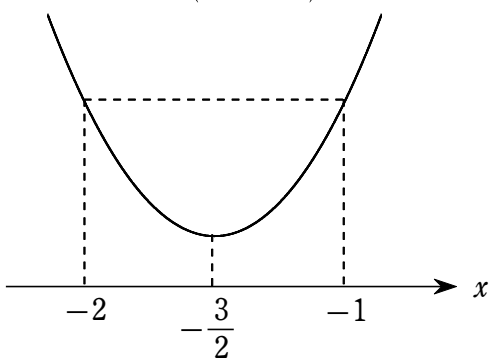
2 (1)  $\text{Max} = 10 (x = 5)$   
 $\text{min} = 1 (x = 2)$



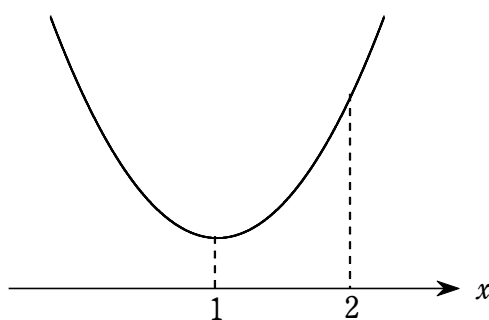
(2)  $\text{Max} = -8 (x = -5, -1)$   
 $\text{min} = -12 (x = -3)$



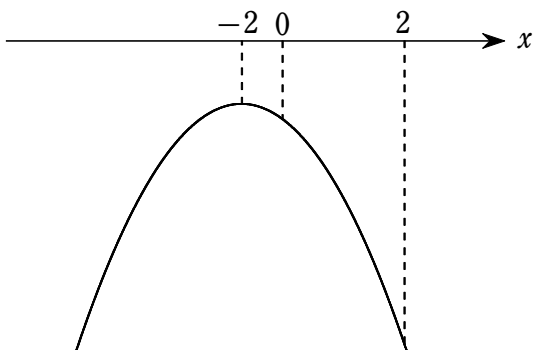
(3)  $\text{Max} = -3 (x = -2, -1)$ ,  
 $\text{min} = -\frac{13}{4} (x = -\frac{3}{2})$



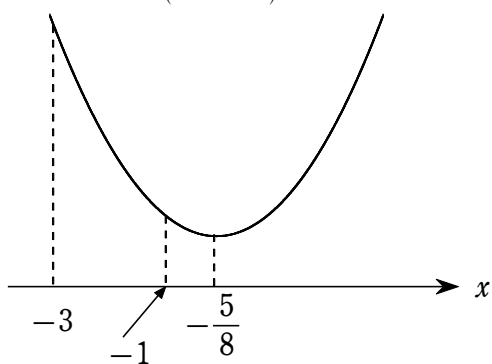
(4)  $\text{Max} = 1 (x = 2)$   
 $\text{min} = -1 (x = 1)$



(5)  $\text{Max} = 2 (x = 0)$   
 $\text{min} = -34 (x = 2)$



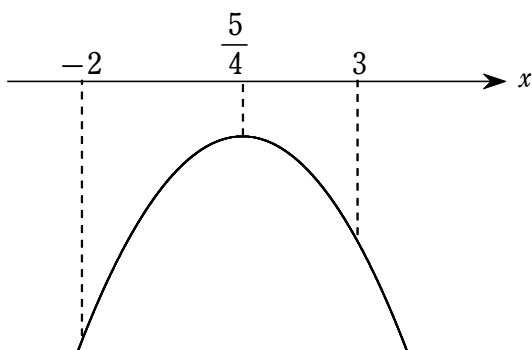
(6)  $\text{Max} = 19 (x = -3)$   
 $\text{min} = -3 (x = -1)$



2次関数 計算練習プリント 解答

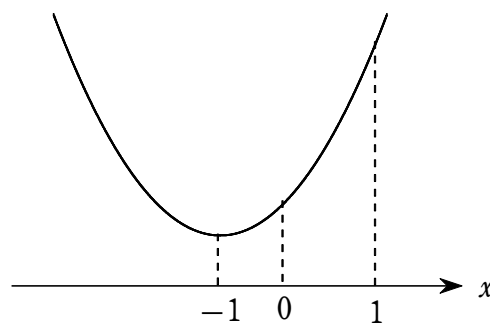
(7)  $\text{Max} = \frac{57}{8} \left( x = \frac{5}{4} \right)$

$\text{min} = -24 \left( x = -2 \right)$



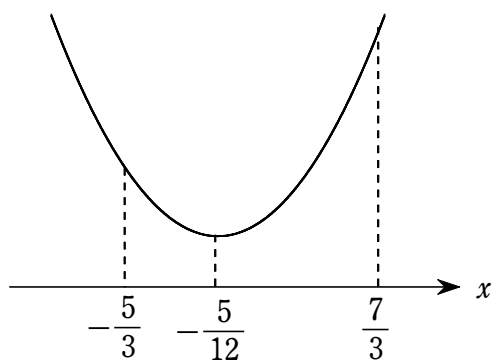
(8)  $\text{Max} = \frac{5}{2} \left( x = 1 \right)$

$\text{min} = 1 \left( x = 0 \right)$



(9)  $\text{Max} = \frac{109}{12} \left( x = \frac{7}{3} \right)$

$\text{min} = -\frac{217}{96} \left( x = -\frac{5}{12} \right)$



(10)  $\text{Max} = \frac{153}{49} \left( x = \frac{3}{7} \right)$

$\text{min} = -\frac{53}{147} \left( x = -\frac{13}{7} \right)$

