

1

(1) −16	(2) $(x-16)(x+2)$
(3) $(x,y)=(-\frac{\sqrt{2}+1}{3},\frac{\sqrt{2}-1}{3})$	(4) $x=-1\pm\sqrt{3}$
(5) 54 (点)	(6) BC = 5
(7) $\frac{1}{3}$	(8) 102

5点×8
計 40 点

2

(1) $a = \frac{1}{8}$	(2) Q(0, 2)
(3) $y = \frac{7\sqrt{2}}{32}x + 2$	

5点×3
計 15 点

3

(1) $a = 27$	(2) $\frac{4}{9}$
(3) $\frac{80}{351}$	

5点×3
計 15 点

4

(1) $a = 9$	(2) $b = 100$
(3) $c = 20$	

5点×3
計 15 点

5

(1) 8	(2) $\frac{25}{22}$
(3) $DQ = \frac{16\sqrt{5}}{11}$	

5点×3
計 15 点

受験番号							氏名

100