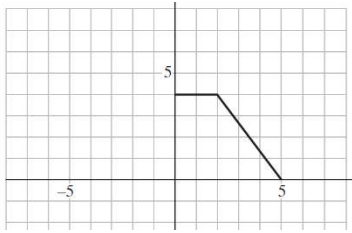


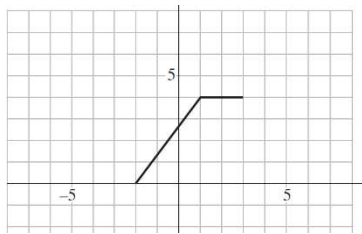
# TRANSFORMATIONS

- 1 D
- 2 C
- 3 A
- 4 B
- 5 D
- 6 A
- 7 C
- 8 B

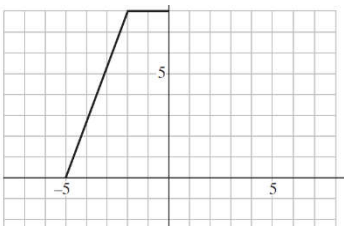
9a)



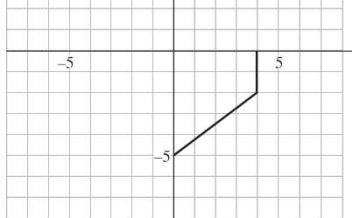
9b)



9c)

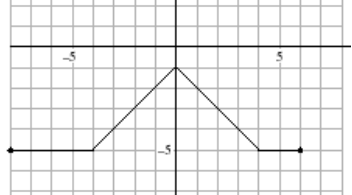


9d)

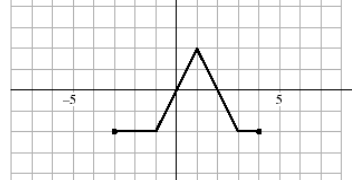


- 10 B
- 11 C
- 12 B

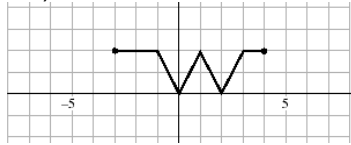
13a)



13b)

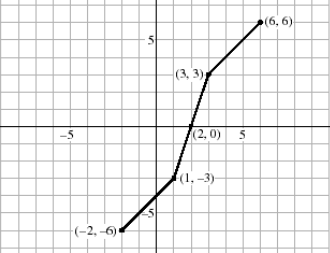


13c)

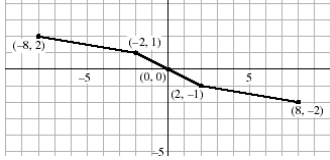


- 14 A
- 15 A
- 16 A
- 17 A
- 18 B

19a)



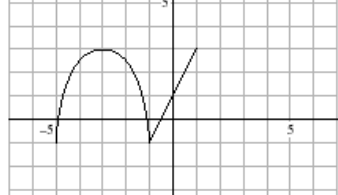
19b)



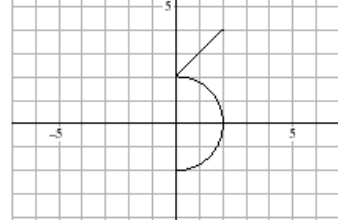
20 D

21 A

22a)



22b)



23 A

24 B

25 A

26 D

27 A

28 A

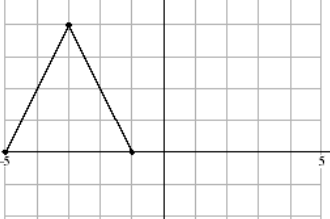
29 A

30 B

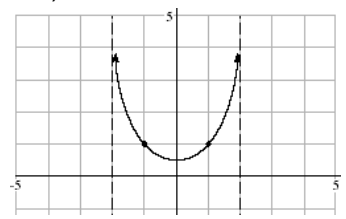
31 C

32 B

33a)



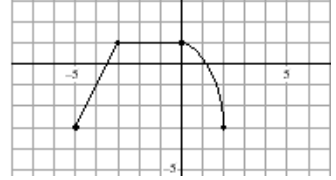
33b)



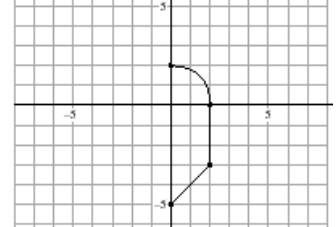
34 B

35 B

36a)



36b)

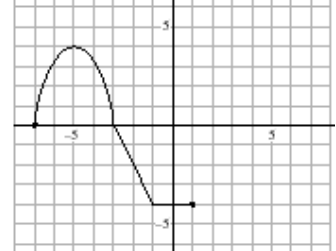


37 A

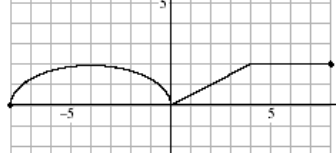
38 A

39 C

40a)



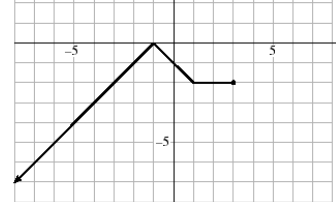
40b)



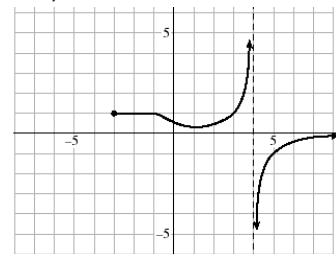
41 A

42 D

43a)

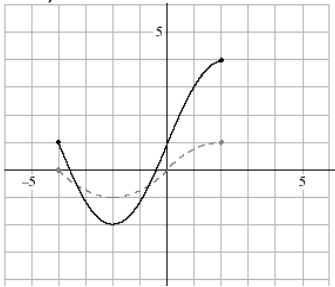


43b)

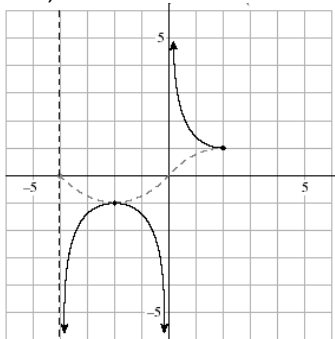


- 44 C
- 45 D
- 46 A
- 47 B
- 48 D
- 49 D

50a)

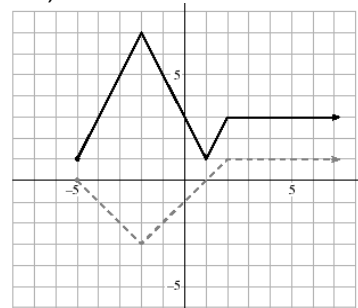


50b)

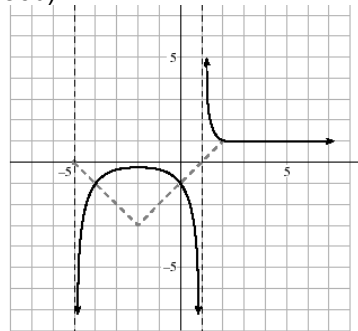


- 51 A
- 52 B
- 53 B
- 54 A
- 55 B

56a)

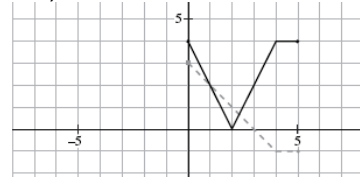


56b)

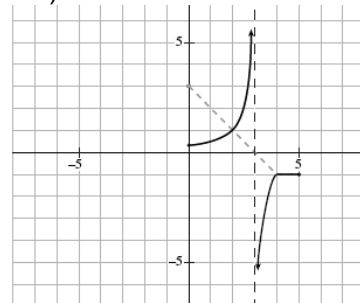


- 57 C
- 58 A
- 59 A
- 60 B
- 61 A
- 62 C

63a)

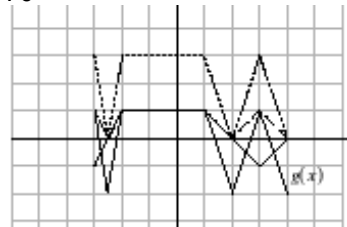


63b)

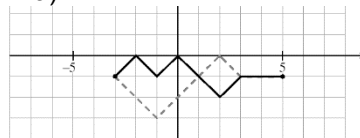


- 64 C
- 65 B
- 66 A
- 67 A
- 68 C
- 69 B

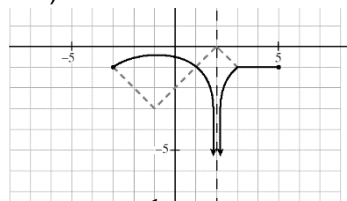
70



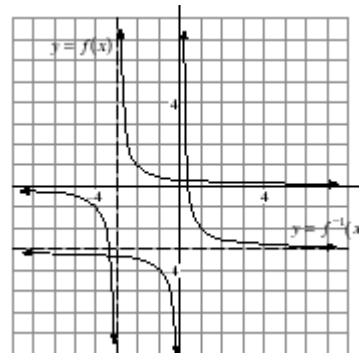
71a)



71b)



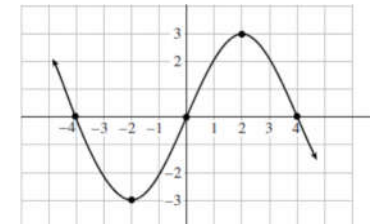
72  $f^{-1}(x) = \frac{1}{x} - 3$



- 73 D
- 74 C
- 75 A
- 76 D

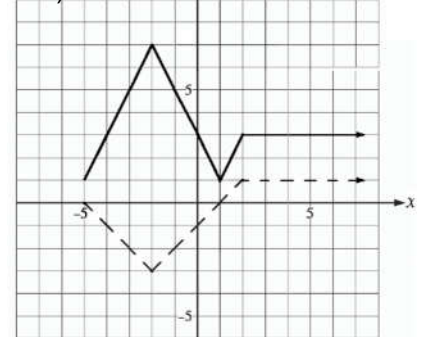
- 77 C
- 78 B
- 79 B
- 80 A
- 81 A
- 82 B
- 83 B
- 84 C
- 85 B
- 86 C
- 87 C
- 88 D

89

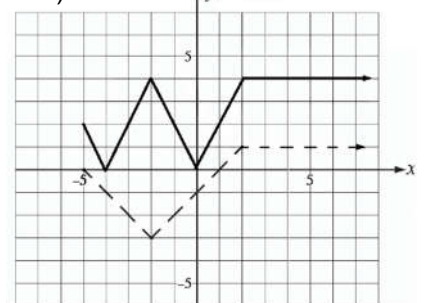


- 90 C
- 91 B

92a)

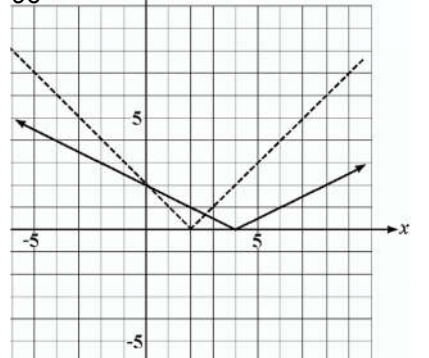


92b)



- 93 C
- 94 A
- 95 C

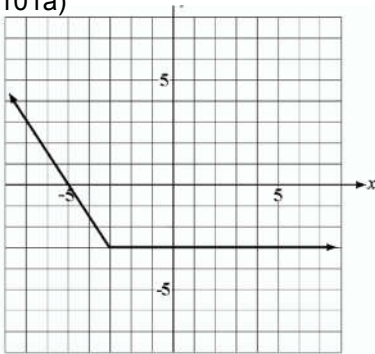
96



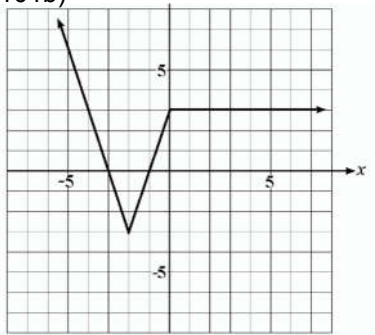
- 97 A  
98 C

99  $f^{-1}(x) = \frac{x}{3-x}$

- 100 D  
101a)



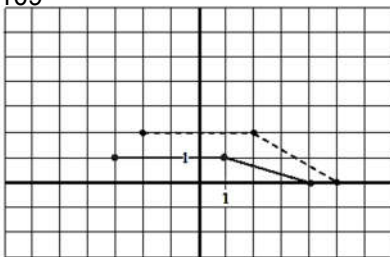
101b)



- 102 B  
103 A  
104 D  
105 A  
106 C  
107 B

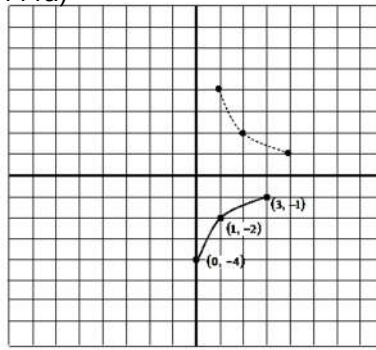
- 108 a)  $0 \leq y \leq 12$   
b)  $0 \leq y \leq \sqrt{12}$   
c)  $-3 \leq y \leq 15$   
d)  $y \leq -\frac{1}{5}$  or  $y \geq \frac{1}{12}$

109

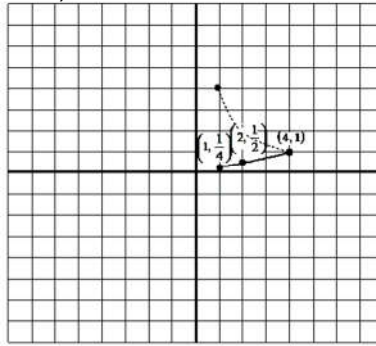


110 B

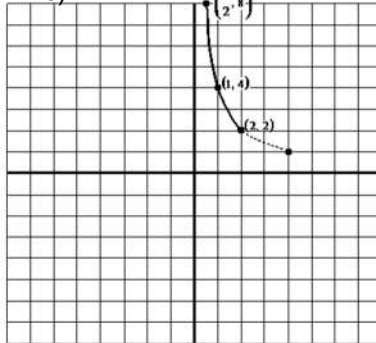
111a)



111b)



111c)



- 112 A  
113 D  
114 B  
115 C  
116 a) i    b) g    c) e  
117 a) 3    b) 1    c) 4    d) 2  
118 3