

Practice Test (Version 2)

1. D

8. D

15. A

2a)

2. B

9. A

16. B

3. C

10. D

17. C

4. D

11. B

5. C

12. A

6. A

13. C

7. A

14. B

1a) H.S of 3

reflection along x

b) $(x, y) \rightarrow (3x, -y)$ c) $y = -f\left(\frac{1}{3}(x)\right)$

$$g(x) \begin{array}{c|c} x & y \\ \hline 11 & 7 \\ 11 & -5 \\ 5 & -17 \\ -1 & -17 \\ -3 & -9 \end{array}$$

$$b) y = 2f(-(x-3)) - 1$$

$$3a) (x, y) \rightarrow (2x-2, -y+3)$$

$$b) g(x) \begin{array}{r|l} & \\ -6 & -1 \\ -4 & 2 \\ -2 & 3 \\ 0 & 2 \\ 2 & -1 \end{array}$$

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

$$4a) 3 \pm \sqrt{x+8} = y^{-1}$$

$$b) x \geq 3 \text{ or } x \leq 3$$

$$5. a) (x, y) \rightarrow \left(\frac{2}{3}x+3, -4y-5\right)$$

$$b) y = -4f\left(\frac{3}{2}(x-3)\right) - 5$$