

TEST 1 Review Answers

Answer List

1. 4.

4. 5

7. function

10.

13. $[-\frac{3}{2}, \infty)$

$$10. \frac{(3^2+3)-(1^2+3)}{3-1} = \frac{(9+3)-(1+3)}{2} = \frac{12-4}{2} = \frac{8}{2} = 4$$

2. $-\frac{2}{9}$

5. $y = -x + 6$

8. not a function

11. $f(x) = \begin{cases} -\frac{1}{2}x + 2, & \text{if } x \leq 0 \\ -2x + 2, & \text{if } x \geq 0 \end{cases}$

14.

3. -1, 24, 1

6. $y = -\frac{2}{5}x - 1$

9. not a function

12. $(-\infty, -2), (-2, \infty)$