Alg 2 Final Exam Review Fall 2018

From Quiz #1 Sections: 1-3 (solving literal equations), 2-1, 2-5, 7-6

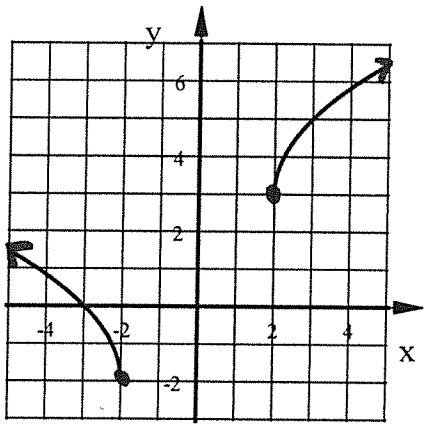
Solve for the stated variable. State restrictions on the variables.

1. Solve for B $\quad G = \frac{R - MB}{Q} - C$
2. Solve for T $\quad E(NK + T) - H = Z$
3. Solve for W $\quad WN - YG = WX + B$
4. Solve for C $\quad \sqrt[3]{\frac{C+V}{H}} - R = P$

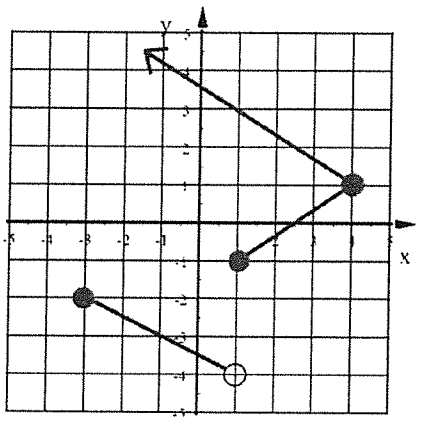
For 5 to 8, does each represent a function?

5. $(11,-6),(4,-2),(19,-6),(2,-3)$
6. $(0,4),(1,-8),(-5,3),(1,9)$

7.



8.



9. State the Domain and Range of the relation in Problem 5.
10. State the Domain and Range of the given problem using either inequality or interval notation.
    a) Problem 7. b) Problem 8.

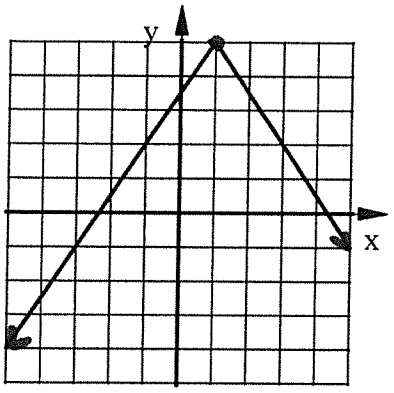
Use these functions for the 11-26:

$f(x) = x + 6$ $\quad g(x) = x^2 - 3x + 7$ $\quad h(x) = \frac{3x+1}{x+3}$ $\quad k(x) = 4x + 5$

11. Find $3g(-2) - 4k(2)$
12. Find $k(h(-5))$
13. Find $(g \circ k)(-3)$
14. Find $h(k(x))$. Simplify as much as possible.
15. Find $(k \circ g)(x)$. Simplify as much as possible.
16. Find $g(f(x))$. Simplify as much as possible.

17. Write the equation of each absolute value function.

a)



b)