Algebra 1 Extra Practice

Name

Show all work as you complete these problems individually. Use your notebooks as a resource.

Write an equation for each of the following lines.

 1. Contains (3, -4) and (5, 6)
 2. Contains (2, -5) and (4, -5)

3. Contains (1, 6) and (1, 4).

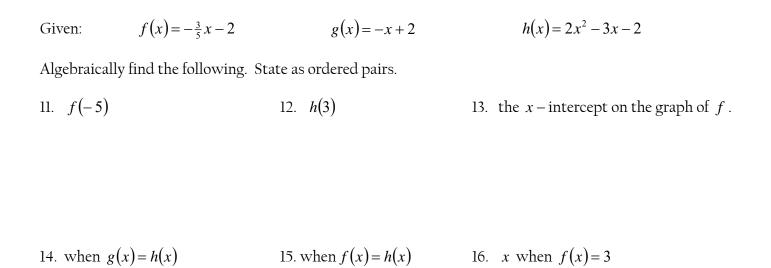
4. Contains (3, -5) and is perpendicular to 2x - 5y = 15

Solve the following systems of equations by the method stated.

5. Substitution. -2x + 3y = 11; 2x + y = 96. Elimination. 4x + 3y = -1; 5x + 4y = 1

Let
$$U = \{x \mid x \in Z, -5 \le x < 7\}$$
 $A = \{x \mid x \in Z, -5 \le x < 0\}$ $B = \{x \mid x \in Z, -2 < x \le 5\}$

Find: 7. $A \cup B$ 8. A' 9. $A' \cap B$ 10. $(A \cap B)'$



Graph each of the functions and verify your results from above.

