Name _____   Date _____

Finding Points of Intersection for Complex Equations - Matching Worksheet

Match the equations to their point of intersection.

_____   1. $f(x) = 8x^2 + 3x + 3$ and $g(x) = 6x^2 - 3x - 1$

a.   (6, 38)

_____   2. $f(x) = 2x^2 + 2x - 20$ and $g(x) = x^2 + x + 10$ b.   (-5, 15)

_____   3. $f(x) = 4x^2 + 12x + 15$ and $g(x) = 3x^2 + 6x + 6$ c.   (1, -6)

_____   4. $f(x) = 3x^2 - 20x + 50$ and $g(x) = x^2 + 8x - 46$ d.   (-9, 355)

_____   5. $f(x) = 3x^2 + 20x + 40$ and $g(x) = 2x^2 + 8x + 5$ e.   (3, 43)

_____   6. $f(x) = 2x^2 - 7x + 12$ and $g(x) = x^2 + 5x - 15$ f.   (-2, 29)

_____   7. $f(x) = 4x^2 - 15x + 5$ and $g9=(x) = 3x^2 - 5x - 4$ g.   (3, 61)

_____   8. $f(x) = 2x^2 + 6x + 7$ and $g(x) = x^2 + 16x - 14$ h.   (5, 40)

_____   9. $f(x) = 5x^2 + 10x + 40$ and $g(x) = 4x^2 - 8x - 41$ i.   (3, 9)

_____   10. $f(x) = 3x^2 + 8x + 10$ and $g(x) = x^2 + 4x + 40$ j.   (-3, 15)