Name _____ Date _____

Finding Points of Intersection for Complex Equations - Independent Practice Worksheet

Find the point where the equations intersect.

1. $f(x) = 5x^2 + 25x + 90$ and $g(x) = 4x^2 + 6x + 30$

2. $f(x) = 4x^2 + 15x + 150$ and $g(x) = 3x^2 - 15x + 25$

3. $f(x) = 2x^2 – 7x + 80$ and $g(x) = x^2 + 7x + 40$

4. $f(x) = 4x^2 + 10x + 20$ and $g(x) = 2x^2 + 2x + 14$

5. $f(x) = 2x^2 + 14x + 40$ and $g(x) = -x^2 - 7x + 4$

6. $f(x) = x^2 + 8x – 15$ and $g(x) = -x^2 + 4x + 15$

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

8. $f(x) = 3x^2 - 9x - 6$ and $g(x) = 2x^2 - 6x + 4$

9. $f(x) = 2x^2 - 7x + 50$ and $g(x) = x^2 + 7x + 2$

10. $f(x) = 3x^2 - 10x + 5$ and $g(x) = 2x^2 + 8x - 12$