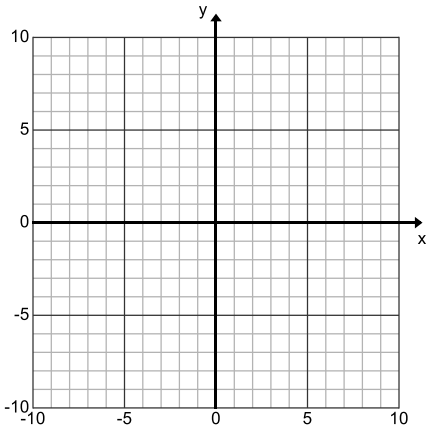
Algebra 2 Placement Test

Directions: You may use a calculator. Show your work. Circle your answers.

1. Multiply (x – 5) (2x – 3)
2. Solve for x: $4x-3=7$
3. Factor: $4 - y^2$
4. Factor: $5x^2 + 14x - 3$
5. Solve for x: $x = 2 - x^2$
6. Find the slope of the line through (2, 3) and (0, 5).
7. Solve the system of equations: x + 2y = -3 and 3x – 5y = 13
8. Graph: y = -2x + 5
9. Find the x and y intercepts of y = 5 - 4x



10. Factor: $2x^3 - 4x^2 + 6x$