

Quadratics Test Review

① Solve by factoring
 $2x^2 + 13x + 15 = 0$

② Solve by factoring
 $6x^2 + 5x + 1 = 0$

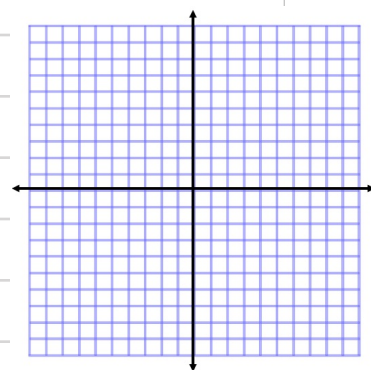
③ Solve by quadratic formula
 $3x^2 - 7x + 1 = 0$

④ Solve by completing the square
 $x^2 - 8x + 1 = 0$

⑤ Determine the nature of the roots
 $x^2 - 6x - 6 = 0$

⑥ Write in $y-k=a(x-h)^2$ form
 $f(x) = 3x^2 + 24x - 5$

⑦ Graph
 $y - 5 = -\frac{4}{5}(x - 1)^2$



⑧ Find the Max/min
a) $y - 16 = -3(x + 23)^2$

⑨ Write an equation w/
 $x = 3, -11$ as solutions

b) $y + 27 = 41(x - 4)^2$