

7.1-7.6 Quiz Review Problems

Name:
Period:
Date:

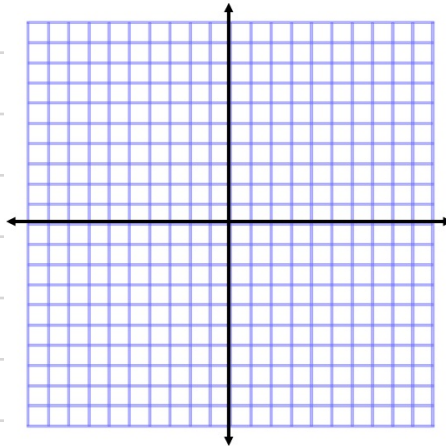
Write the function in $y-k=a(x-h)^2$ form

- ① $f(x) = 2x^2 + 8x + 14$ ② $g(x) = x^2 - 2x - 7$ ③ $f(x) = 3x^2 - 6x + 7$

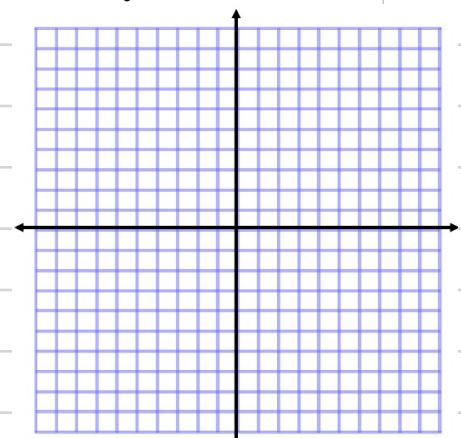
Hint: Write in standard form first

→ ④ $f(x) = 2 - 6x - x^2$

⑤ Graph # 1



⑥ graph # 4



Solve using any method

⑦ $3x^2 + 5x - 2 = 0$

⑧ $2x^2 - 4x + 7 = 0$

⑨ $x^2 - 4x = -8$

Hint: get into standard form first

Warning, you must check your answers for → ⑩

Solve $x - 8\sqrt{x} - 9 = 0$

⑪ $(x+5)^2 - 3(x+5) - 2 = 0$