Section 5.5: Quadratic and Rational Inequalities

#1 – 8: Use the graph of f(x) to solve

a) f(x) = 0

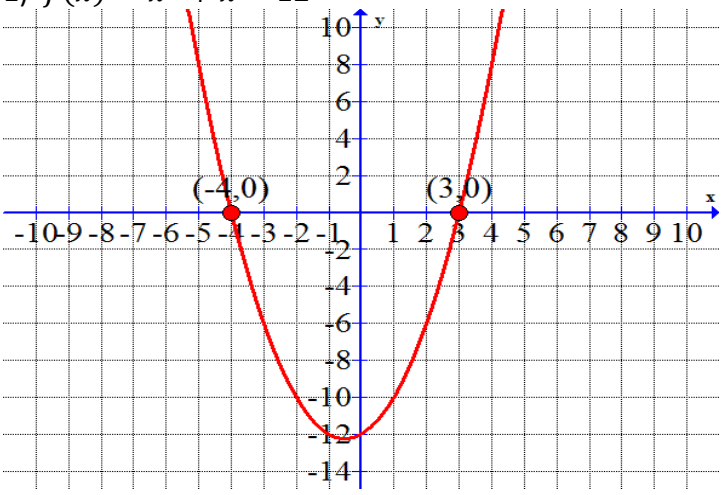
b) f(x) > 0

c) f(x) < 0

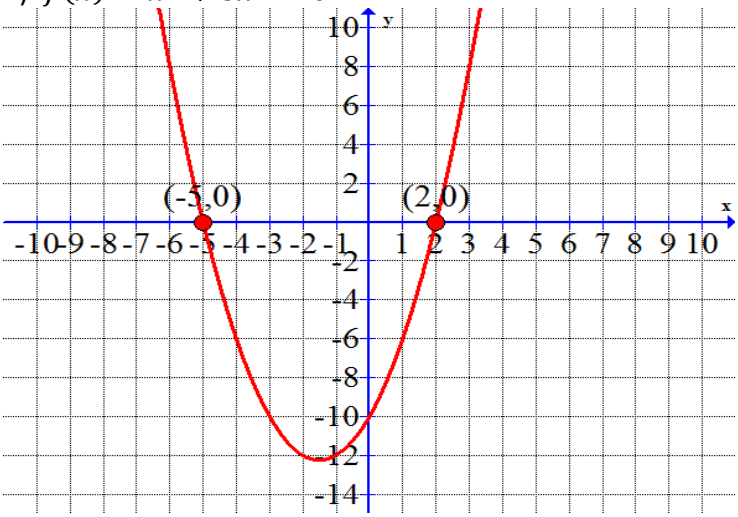
d) f(x) ≥ 0

e) f(x) ≤ 0

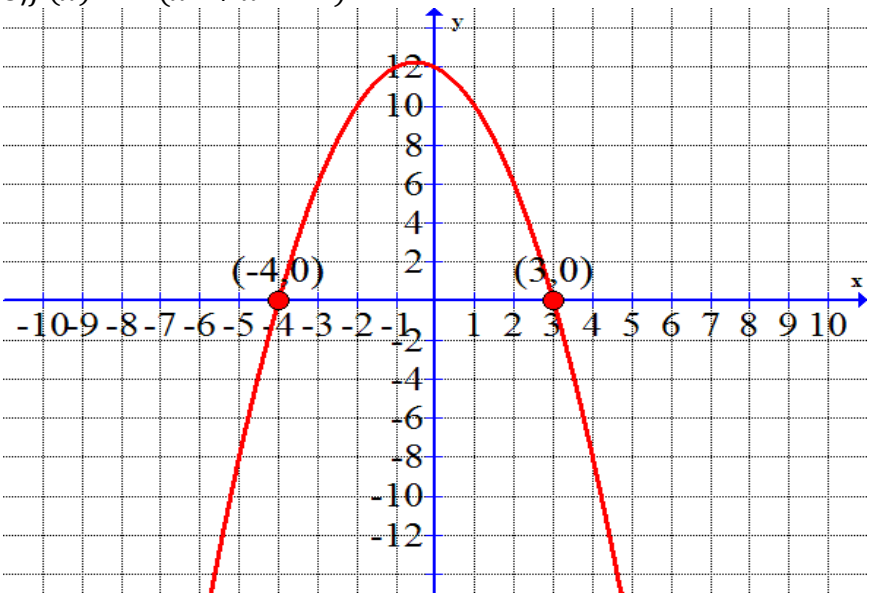
1) $f(x) = x^2 + x - 12$



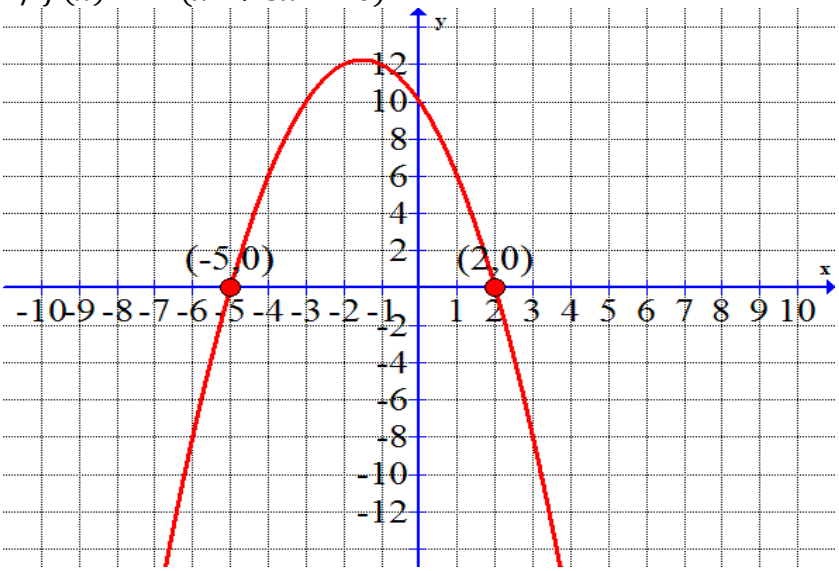

2) $f(x) = x^2 + 3x - 10$



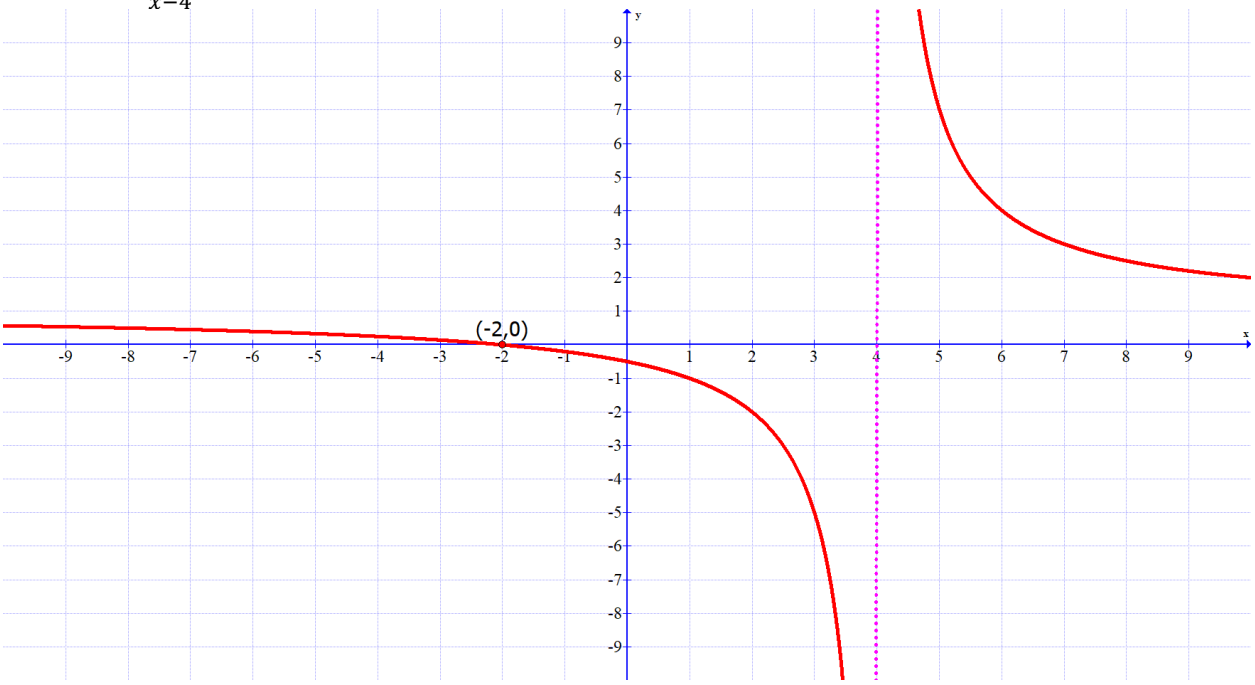
3) $f(x) = -(x^2 + x - 12)$



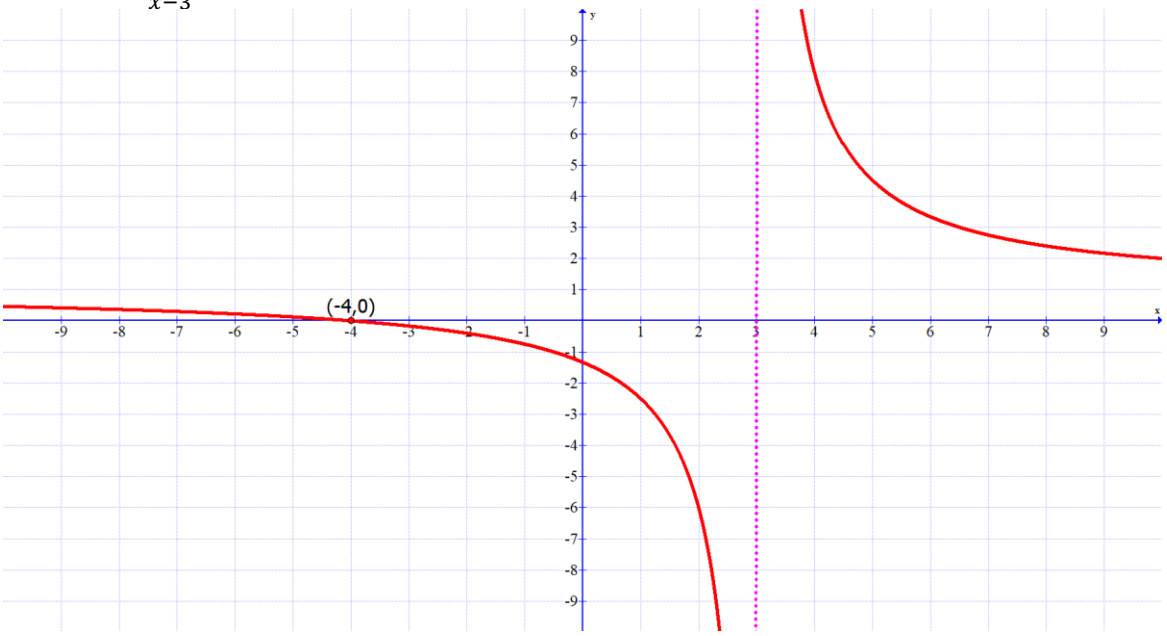

4) $f(x) = -(x^2 + 3x - 10)$



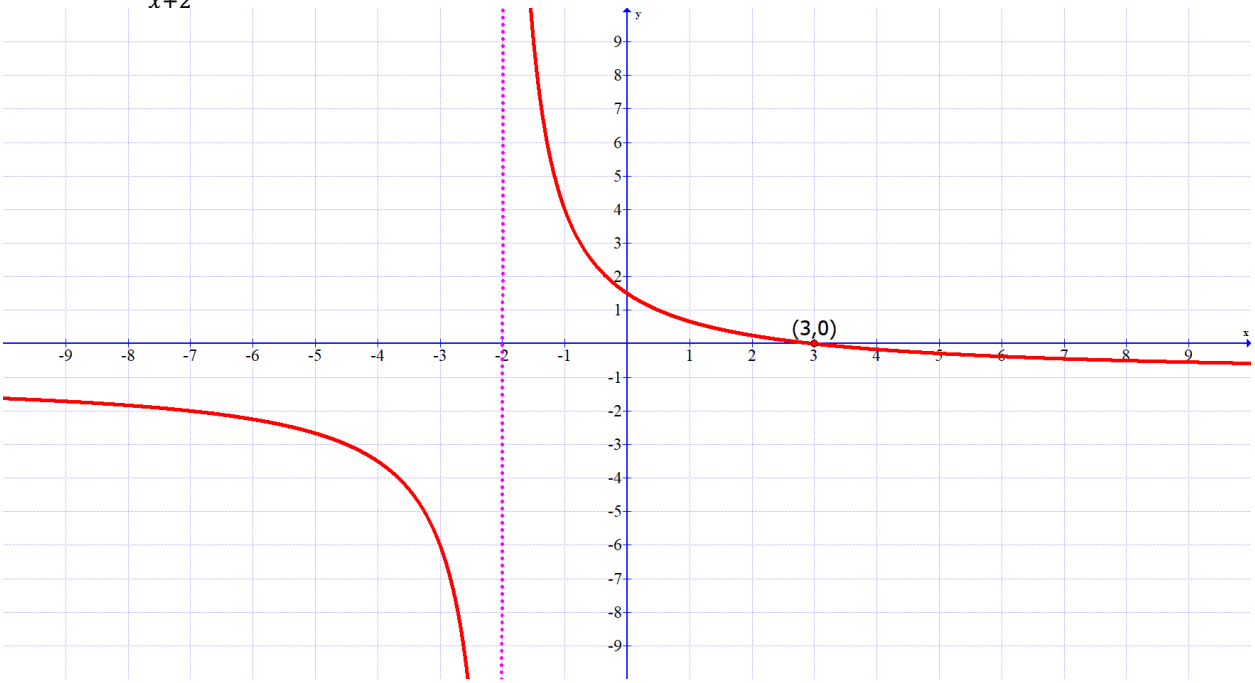
5) $f(x) = \frac{x+2}{x-4}$




6) $f(x) = \frac{x+4}{x-3}$



7) $f(x) = \frac{3-x}{x+2}$




8) $f(x) = \frac{2-x}{x+4}$