

Chapter 9 Bonus

Name _____
Date _____
Block _____

①

$$y = \frac{x^2 + 7x + 12}{x + 4}$$

V.A.: _____

Holes: _____

H.A.: _____

② Simplify

$$\frac{2x^2 + 5x - 3}{x^2 - 4x} \cdot \frac{2x^3 - 8x^2}{x^2 + 6x + 9}$$

③ Add

$$\frac{8}{x^2 - 25} + \frac{9}{x - 5}$$

④ Subtract

$$\frac{2x}{x - 5} - \frac{x}{x + 7}$$

⑤ Solve.

$$\frac{2}{x^2-1} = \frac{4}{x+1}$$

⑥ Solve.

$$x + \frac{x}{4} - \frac{x}{5} = 20$$