

8-3A Practice

Form G

Rational Functions and Their Graphs

Find the vertical asymptotes and holes for the graph of each rational function.

** graph each you must first plot asymptotes copy graph from calculator*

5. $y = \frac{5-x}{x^2-1}$

Vertical Asymptotes

Holes

7. $y = \frac{x}{x(x-1)}$

Vertical Asymptotes

Holes

9. $y = \frac{x-2}{(x+2)(x-2)}$

Vertical Asymptotes

Holes

11. $y = \frac{x^2-25}{x-4}$

Vertical Asymptotes

Holes

6. $y = \frac{x^2-2}{x+2}$

Vertical Asymptotes

holes

8. $y = \frac{x+3}{x^2-9}$

Vertical Asymptotes

holes

10. $y = \frac{x^2-4}{x^2+4}$

Vertical Asymptotes

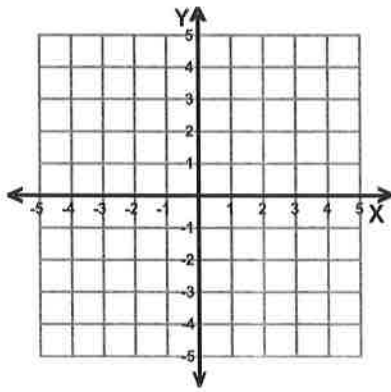
holes

12. $y = \frac{(x-2)(2x+3)}{(5x+4)(x-3)}$

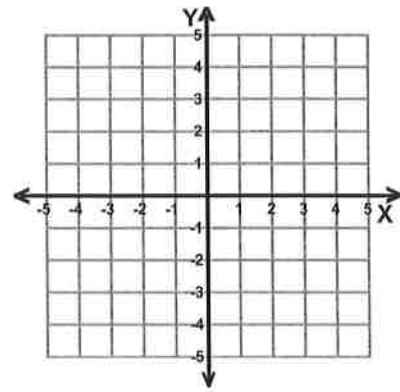
Vertical Asymptotes

holes

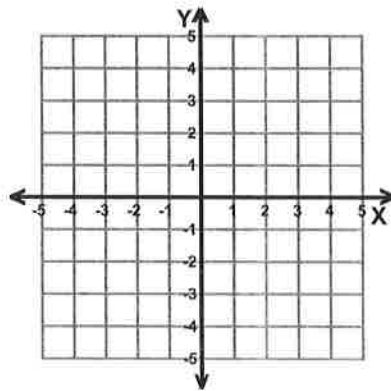
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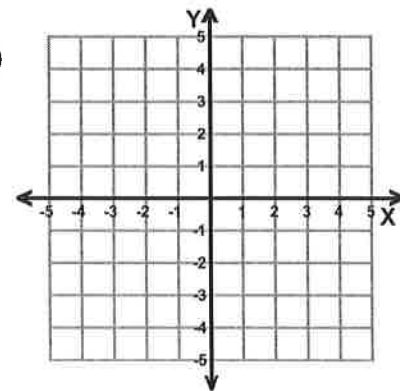
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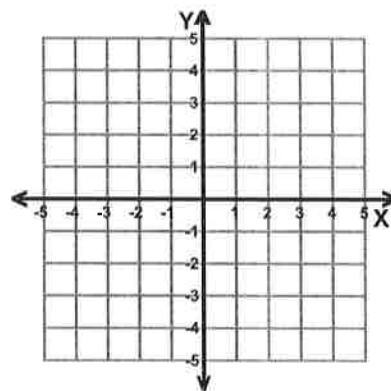
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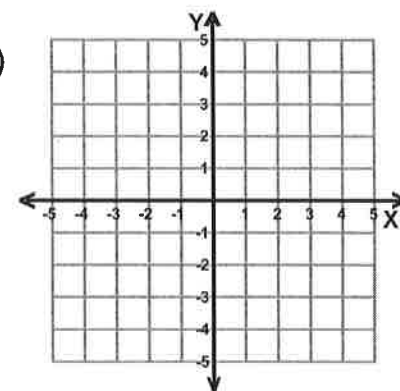
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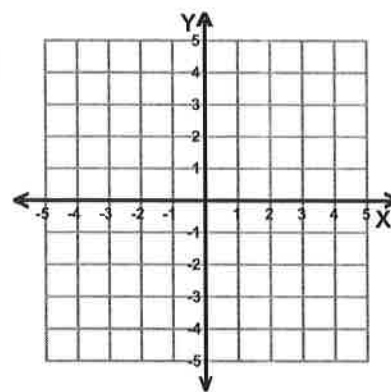
5)



6)



7)



8)

