

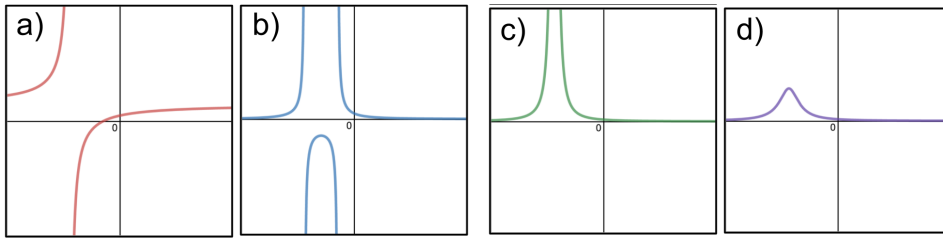
MHF4U - Rational Functions

Name: _____

Date: _____

For each of the following questions choose the best answer

1. Which graph is most like the graph of a function in the form $f(x) = \frac{ax+b}{cx+d}$



2. In the function $f(x) = \frac{ax+b}{cx+d}$, which coefficient(s) will change the x intercept?

- | | | | |
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| a) a only | b) b only | c) c only | d) d only |
| e) a & b | f) c & d | g) a & c | h) b & d |

3. In the function $f(x) = \frac{ax+b}{cx+d}$, which coefficient(s) will change the y intercept?

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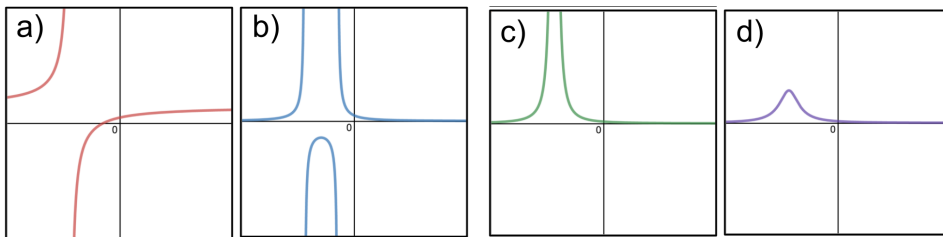
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4. In the function $f(x) = \frac{ax+b}{cx+d}$, which coefficient(s) will change the vertical asymptote?

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6. For the function $f(x) = \frac{5x-2}{3x+8}$, what would be the x intercept?

- a) (0.4, 0) b) (-2.7, 0) c) (1.7, 0) d) (-0.25, 0)

7. For the function $f(x) = \frac{5x-2}{3x+8}$, what would be the y intercept?

- a) (0, 0.4) b) (0, -2.7) c) (0, 1.7) d) (0,-0.25)

8. For the function $f(x) = \frac{5x-2}{3x+8}$, what would be the vertical asymptote?

- a) x = 0.4 b) x = -2.7 c) x = 1.7 d) x = -0.25

9. For the function $f(x) = \frac{5x-2}{3x+8}$, what would be the vertical asymptote?

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