

Math 2143 - Brief Calculus with Applications

Discussion Board Week 3 - Due 2018.06.24

Sketch a graph of the following rational functions, be sure to include all work in computing domains, vertical and horizontal asymptotes etc...

1. $f(x) = \frac{(x+2)(x-1)}{(x+1)(x+3)}$

2. $f(x) = \frac{(x+2)(1-x)}{(x+1)(x+3)}$

3. $f(x) = \frac{(x-2)(1-x)}{(x+3)(4-x)}$

4. $f(x) = \frac{(x-2)(1-x)}{(x+3)(x-4)}$

5. $f(x) = \frac{(x-3)(1-x)}{(x-2)(x-4)}$

6. $f(x) = \frac{(x-3)(1-x)}{(x-2)(x-4)}$

7. $f(x) = \frac{(x+3)(1-x)}{(x+2)(x-4)}$

8. $f(x) = \frac{(x+3)(x+1)}{(x-2)(x+4)}$

9. $f(x) = \frac{(x-3)(x+1)}{(x-2)(x+4)}$

10. $f(x) = \frac{(x-3)(x+1)}{(x-5)(x+4)}$

11. $f(x) = \frac{(x-5)(x+7)}{(x-2)(x+9)}$