

Advanced Functions

Rational

Rational Y-Axis Intercepts

1. $y - \text{intercepts } \frac{1}{x}$

2. $y - \text{intercepts } \frac{1}{x^2}$

3. $y - \text{intercepts } \frac{x}{x+1}$

4. $y - \text{intercepts } \frac{1}{1+x^2}$

5. $y - \text{intercepts } \frac{2}{x}$

6. $y - \text{intercepts } \frac{3}{x^2}$

7. $y - \text{intercepts } \frac{1}{x^3}$

8. $y - \text{intercepts } \frac{x+2}{x-1}$

9. $y - \text{intercepts } \frac{x^2}{x^2+1}$

10. $y - \text{intercepts } \frac{1}{x-3}$

Answers

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1. None

2. None

3. $(0,0)$

4. $(0,1)$

5. None

6. None

7. None

8. $(0, -2)$

9. $(0,0)$

10. $\left(0, -\frac{1}{3}\right)$