

Precalculus

2.6 Homework

Odd Answers

1. Domain: $\{x|x \neq 3\}$

Already in simplest form

Vertical asymptote: $x = 3$

x -intercept: 0

y -intercept: 0

3. Domain: $\{x|x \neq -5, 6\}$

Simplest form: $\frac{1}{x-6}$

Vertical asymptote: $x = 6$

x -intercept: none

y -intercept: $-\frac{1}{6}$

5. Domain: $\{x|x \neq 3, -\frac{1}{2}\}$

Already in simplest form

Vertical asymptotes: $x = 3, x = -\frac{1}{2}$

x -intercepts: 0, 1

y -intercept: 0

7. Horizontal; $y = 3$

9. Horizontal; $y = 0$

11. Oblique; $y = 2x + 7$