Answer:

Station #1

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Describe how the graph of the given function can be obtained by transforming the graph of the rational function .

Answer:

Station #2

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Describe how the graph of the given function can be obtained by transforming the graph of the rational function .

Answer:

A

Station #3

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Evaluate the limit based on the graph shown.

Answer:

Station #4

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Evaluate the limit based on the graph shown.

Answer:

1.

Station #5

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

For the given function, find the vertical asymptote and horizontal/slant asymptotes. Also find the x-intercept and y-intercept.

Answer:

C

Station #6

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

For the given function, find the vertical asymptote and horizontal/slant asymptotes. Also find the x-intercept and y-intercept.

Answer:

B

Station #7

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Solve the equation algebraically:

1. No Solution

Answer:

Station #8

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Solve the equation algebraically:

Answer:

Station #9

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Determine the values that cause the polynomial function to be **(a)** zero, **(b)** positive, and **(c)** negative.

Answer:

Station #10

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Determine the values that cause the polynomial function to be **(a)** zero, **(b)** positive, and **(c)** negative.

Answer:

* H – Right 5
* S – Vertically stretch by 34
* R – None
* V – Up 7

Station #11

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Determine the values that cause the polynomial function to be **(a)** zero, **(b)** undefined, **(c)** positive, and **(d)** negative.

Answer:

* V.A.: None
* H.A.:
* S.A.: None
* X–Intercept:
* Y–Intercept:

Station #12

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Determine the values that cause the polynomial function to be **(a)** zero, **(b)** undefined, **(c)** positive, and **(d)** negative.

Answer:

D

Station #13

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Determine the values that cause the polynomial function to be **(a)** zero, **(b)** undefined, **(c)** positive, and **(d)** negative.

Answer:

Station #14

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Solve the polynomial inequality.

Answer:

* H – Right 5
* S – Vertically stretch by 4
* R – Reflection over the x-axis.
* V – None

Station #15

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Solve the polynomial inequality.

1. None

Answer:

* V.A.:
* H.A.: None
* S.A.:
* X–Intercept:
* Y–Intercept:

Station #16

[After you find the answer, find the next station. Remember to LOOK for the answer in the box at the top of each station!]

Solve the polynomial inequality.