Station #1

$$(x^3+4)(x^2-2)$$

1) Multiply
2) Write in STANDARD FORM
3) Classify (DEGREE & # OF TERMS)
4) Write **end behavior** for LEFT & RIGHT

Station # 2

-Quartic Trinomial

1) Write the END BEHAVIOR
2) Write an example polynomial

+Quadratic Binomial

1) Write the END BEHAVIOR
2) Write an example polynomial

Station #3

$$x(x-2)(x+4)$$

1) Multiply
2) Write in STANDARD FORM
3) Classify (DEGREE & # OF TERMS)
4) Write **end behavior** for LEFT & RIGHT

Station #4

$$x^5-3x^2+5x$$

1) Classify the polynomial
   by DEGREE & # of TERMS
2) Write end behavior for the LEFT & RIGHT

$$-x^3-4$$

1) Classify the polynomial
   by DEGREE & # of TERMS
2) Write end behavior for the LEFT & RIGHT

Station #5

$$(x^2+5)(x+3)^2$$

1) Multiply
2) Write in STANDARD FORM
3) Classify (DEGREE & # OF TERMS)
4) Write **end behavior** for LEFT & RIGHT

Station #6

-Cubic polynomial

1) Write the END BEHAVIOR
2) Write an example polynomial

+Quintic trinomial

1) Write the END BEHAVIOR
2) Write an example polynomial

Station #7

$(2x-4)^3$

1) Multiply
2) Write in STANDARD FORM
3) Classify (DEGREE & # OF TERMS)
4) Write **end behavior** for LEFT & RIGHT

Station #8

$4x^2 - 3x^4 + 2 - 5x + 3x^2$

1) Write in **standard form**.
   Classify by degree and # of terms.
2) Write **end behavior** for LEFT & RIGHT.

$3x^2 - 2x^6 + 4x^2 - 5x$

1) Write in **standard form**.
   Classify by degree and # of terms.
2) Write **end behavior** for LEFT & RIGHT.

Student Recording Sheet

Station #1

1)

2)

3)

4)

Station #2

1)

2)

3)

4)

Station #3

1)

2)

3)

4)

Station #4

1)

2)

3)

4)

Station #5

1)

2)

3)

4)

Station #6

1)

2)

3)

4)

Station #7

1)

2)

3)

4)

Station #8

1)

2)

3)

4)