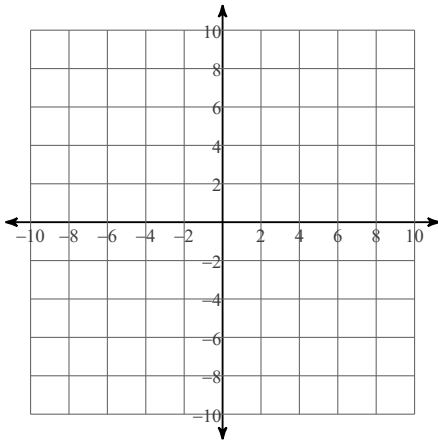


Use a graphing calculator to sketch each graph and answer the questions.

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



2) Degree:

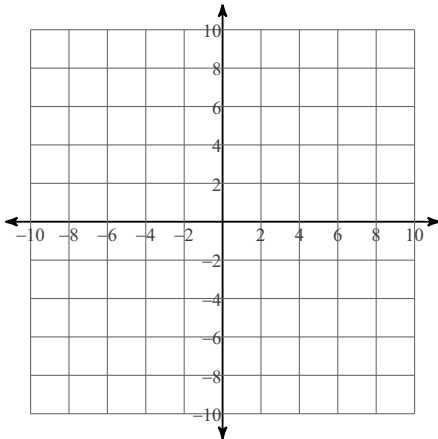
Leading Co-Efficient:

End Behavior:

Number of Zeros:

Number of Turning Points:

3) $f(x) = x^2 + 5x + 7$



4) Degree:

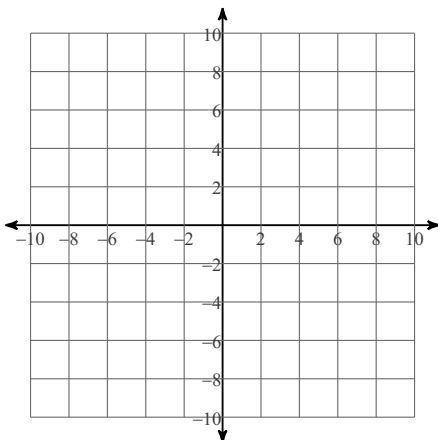
Leading Co-Efficient:

End Behavior:

Number of Zeros:

Number of Turning Points:

5) $f(x) = -2x^3 - 3x^2 + 8x + 3$



6) Degree:

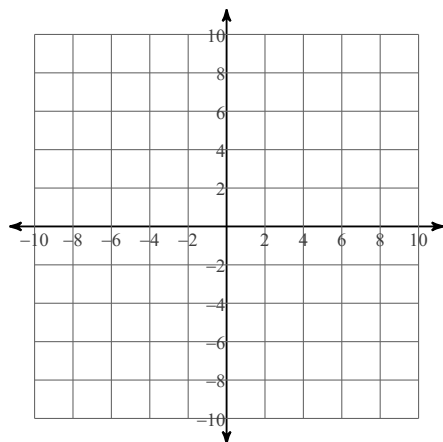
Leading Co-Efficient:

End Behavior:

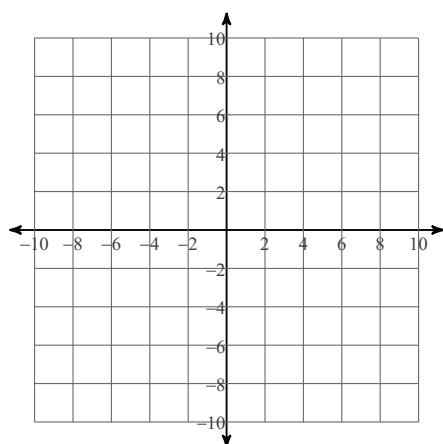
Number of Zeros:

Number of Turning Points:

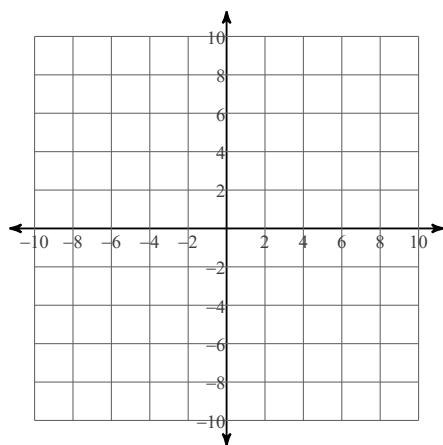
7) $f(x) = -\frac{1}{4}x^4 + 3x^2 - 3$



9) $f(x) = -2x^4 + 6x^2 + 4$



11) $f(x) = x^5 - 4x^3 - x^2 + 2x$



8)

Degree:

Leading Co-Efficient:

End Behavior:

Number of Zeros:

Number of Turning Points:

10)

Degree:

Leading Co-Efficient:

End Behavior:

Number of Zeros:

Number of Turning Points:

12)

Degree:

Leading Co-Efficient:

End Behavior:

Number of Zeros:

Number of Turning Points: