HW 10-3
Secondary Math 3 Lite

Name: $\qquad$
Date: $\qquad$ Class: $\qquad$

State the zeros, multiplicity, and intersection. Also find the degree and end behavior and use to sketch a graph

1. $f(x)=\left(\begin{array}{ll}x & 1\end{array}\right)\left(\begin{array}{ll}x & 3\end{array}\right)\left(\begin{array}{ll}x & 4\end{array}\right)$

| Zero | Multiplicity | Intersection |
| :--- | :--- | :--- |
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2. $f(x)=x(x+4)(x+2)^{2}$

| Zero | Multiplicity | Intersection |
| :--- | :--- | :--- |
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3. $f(x)=x^{2}(x+2)\left(\begin{array}{ll}x & 5\end{array}\right)$

| Zero | Multiplicity | Intersection |
| :--- | :--- | :--- |
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4. $f(x)=(x+2)(x+1)\left(\begin{array}{ll}x & 1\end{array}\right)$

| Zero | Multiplicity | Intersection |
| :--- | :--- | :--- |
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5. $f(x)=x^{2}(x+3)$

| Zero | Multiplicity | Intersection |
| :--- | :--- | :--- |
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6. $f(x)=\left(\begin{array}{ll}x & 5\end{array}\right)(x+2)^{2}(x+4)$

| Zero | Multiplicity | Intersection |
| :--- | :--- | :--- |
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