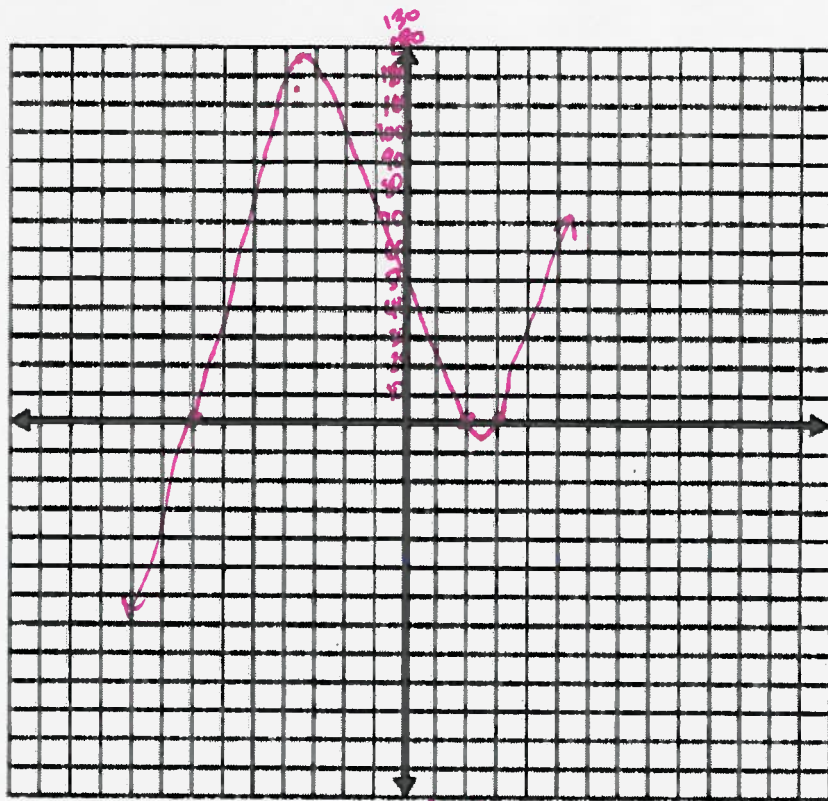


Graph & Analyze: $y = x^3 + 2x^2 - 29x + 42$

Key



Key Characteristics

Zeros: $x=2$
 $x=3$
 $x=-7$

y-int @ $y=42$

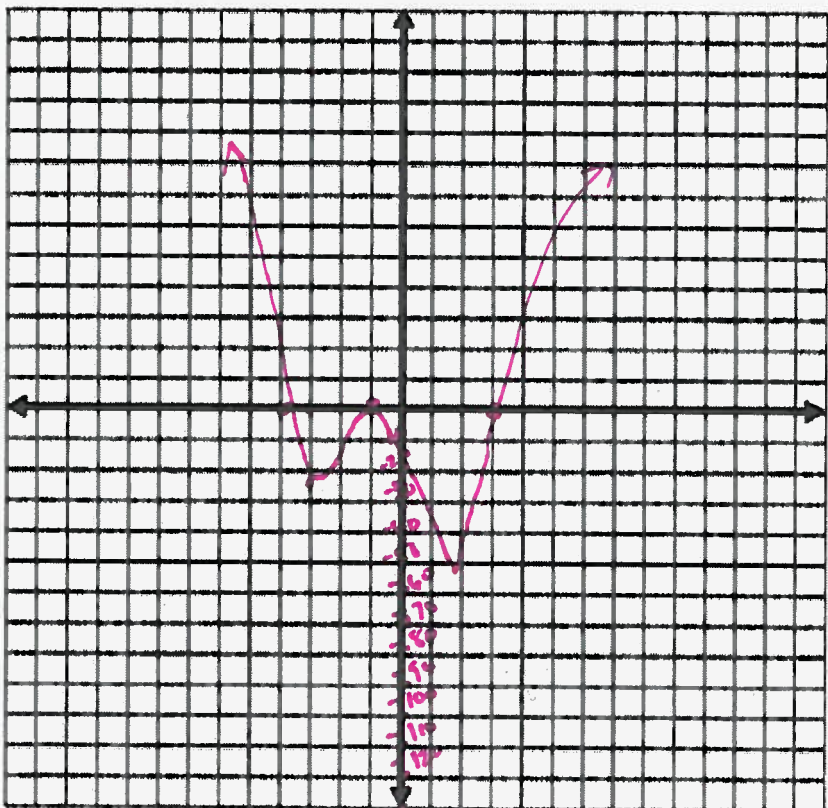
Rel. max: $y=126.23$

Rel. min: $y=-2.38$

D: \mathbb{R}

R: \mathbb{R}

Graph & Analyze: $y = x^4 + 3x^3 - 9x^2 - 23x - 12$



Key Characteristics

Zeros: $x=3$
 $x=-1$ multi: 2
 $x=-4$

y-int @ $y=-12$

Rel. max: $y=0$

Rel. min: $y=-54.64$

D: \mathbb{R}

R: $y \geq -54.64$

$x=3$
 $x=-1$
 $x=-1$
 $x=-4$

y's by 10