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For \#1 \& 2
a. Circle if each sequence is arithmetic, geometric, quadratic, or none of these.
b. Write a formula for the sequence if it is arithmetic or geometric.
c. Find the next three terms in each sequence.

1. $15,23,31,39$...

Circle One:
A G
Q
None
Formula (if A or G):
Next 3 terms: $\qquad$
$\qquad$ ,
2. $5,10,20,40$...

Circle One:
A
G
Q None
Formula (if A or G):
Next 3 terms: $\qquad$
$\qquad$ ,
3. $5,11,19,29$...

Circle One:
A
G
Q None
Formula (if A or G):
Next 3 terms: $\qquad$
$\qquad$ ,
4. Graph the quadratic equation with a table of values
$y=2 x^{2}-16 x+30$


5. Solve the system of equations by graphing.
$2 x+3 y=9$
$2 x+y=-1$

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Write each equation in standard form and solve for $\mathbf{x}$.
6. $5 x-8=2 x^{2}-7 x+2$
7. $x^{2}+18=5 x^{2}-6 x$

