

More Simple Trinomials

1. Factor.

a) $2x^2 + 6x + 4$

b) $5x^2 - 10x - 40$

c) $10x^2 + 20x - 150$

d) $7x^2 - 14x - 21$

e) $4x^2 - 16x + 16$

f) $3x^2 + 21x + 36$

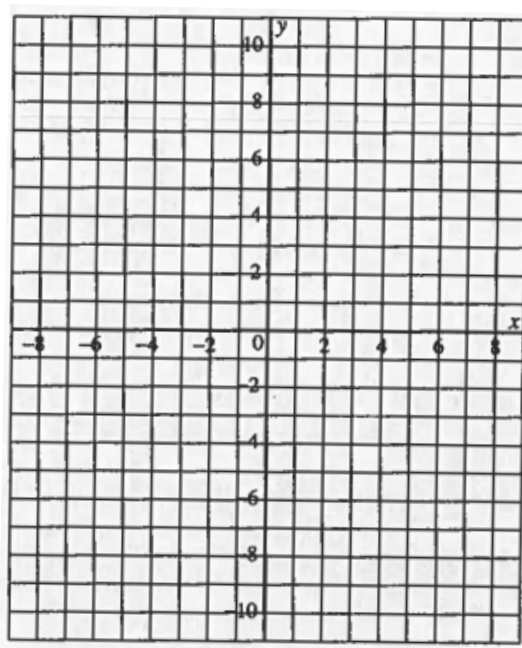
g) $-2x^2 + 12x - 36$

h) $3x^2 + 30x + 75$

2. For the relation $y = 2x^2 + 2x - 12$

- Make a table of values and graph the relation.
- Identify its key characteristics.
- Factor the expression.
- Do the zeros still have a pattern?

x	y
-3	
-2	
-1	
0	
1	
2	
3	



Vertex:

Zeros:

Y-intercept:

AoS:

Direction of Opening:

Max/Min