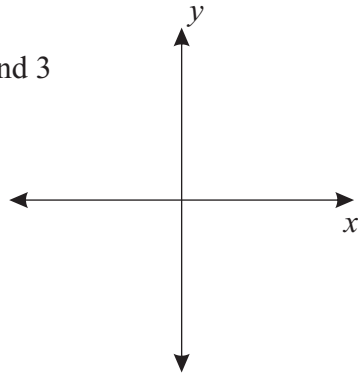


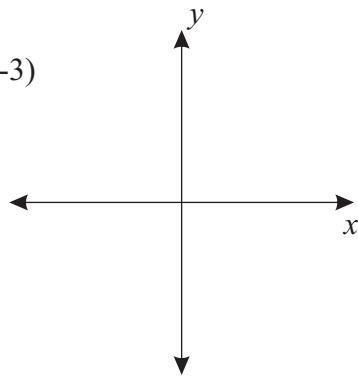
Name: _____

Sketch the following parabolas clearly showing all known points

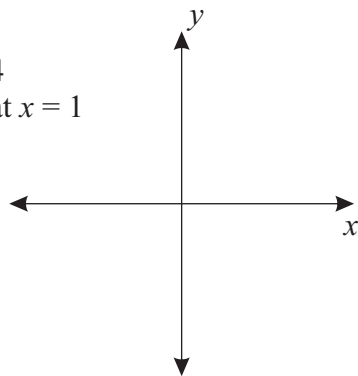
1. This parabola has:
 - x -intercepts at -1 and 3
 - y -intercept at -1



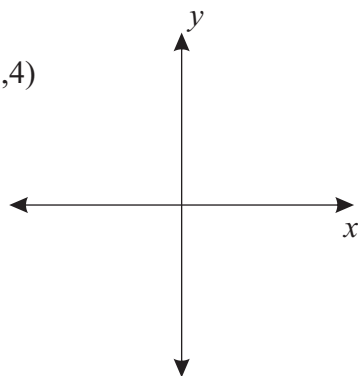
2. This parabola has:
 - turning point at (1,-3)
 - y -intercept at -2



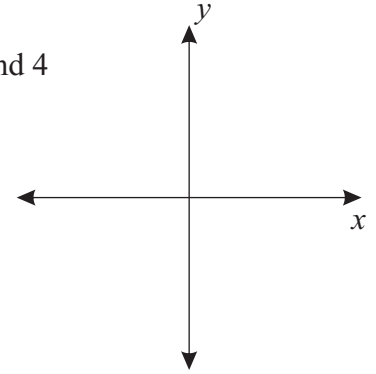
3. This parabola has:
 - one x -intercept at 4
 - axis of symmetry at $x = 1$
 - y -intercept at -3



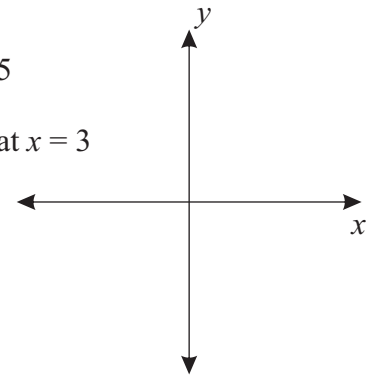
4. This parabola has:
 - turning point at (-1,4)
 - y -intercept at 3



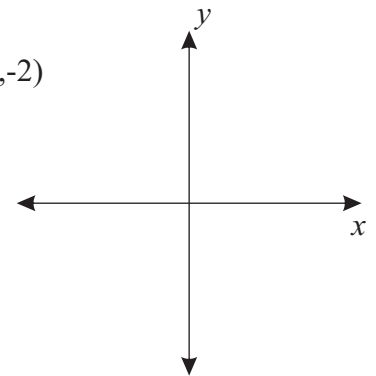
5. This parabola has:
 - x -intercepts at 1 and 4
 - y -intercept at -1



6. This parabola has:
 - one x -intercept at 5
 - y -intercept at 3
 - axis of symmetry at $x = 3$



7. This parabola has:
 - turning point at (2,-2)
 - y -intercept at -5



8. This parabola has:
 - axis of symmetry at $x = 1$
 - one x -intercept at -2
 - y -intercept at 3

