Master Maths 10 Worksheet 36
$y = a(x - h)^2 + k$

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Name: _____

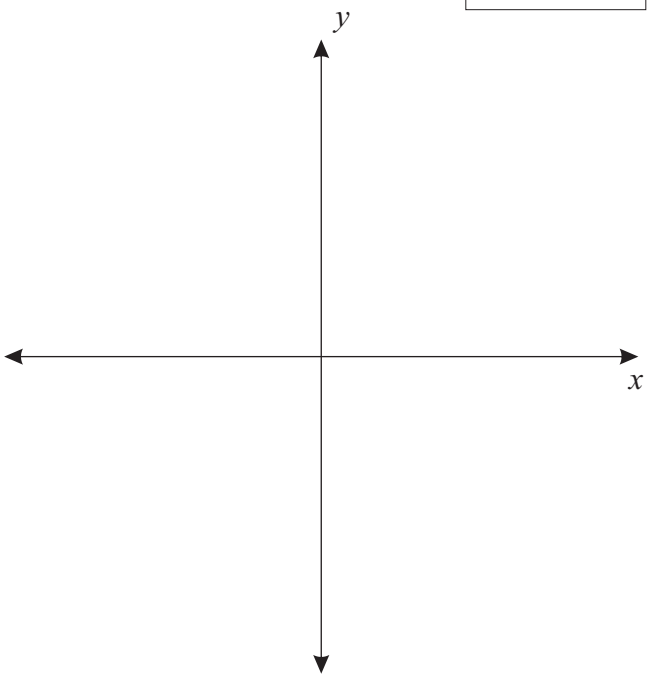
For each of the following quadratic equations:
(a) Convert to the turning point form:
$$y = a(x - h)^2 + k$$
(b) State the turning point if this equation was graphed.
(c) State the y-intercept.
(d) Sketch the graph showing the turning point and y-intercept.

1. $y = x^2 - 6x + 14$

turning point form

turning point

y-intercept



2. $y = -2x^2 - 6x - 8$

turning point form

turning point

y-intercept