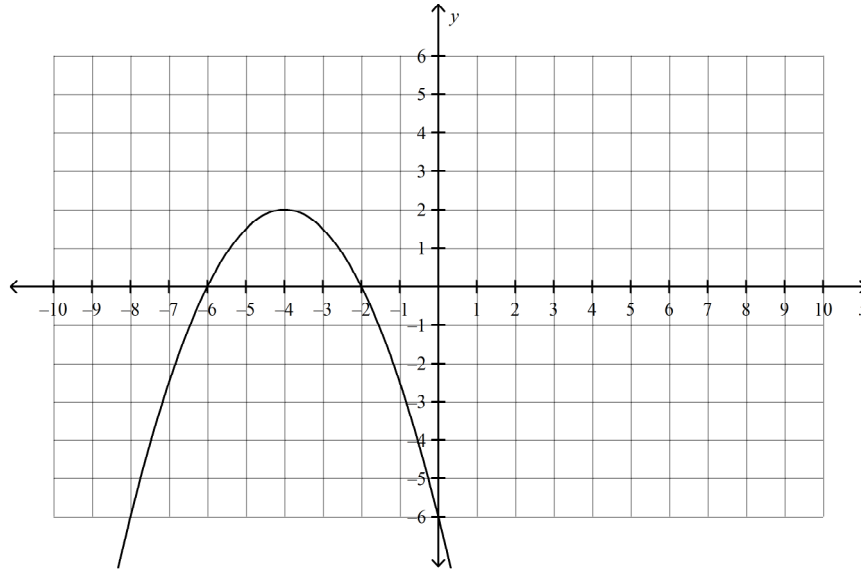


Name: \_\_\_\_\_

K/U:  $\frac{\quad}{11}$

### MCR3U - Quiz - Grade 10 Review - Quadratics

1. Determine the equation of the given parabola in standard form, factored form, and vertex form without expanding or factoring. Show your work.



2. Expand and simplify  $-7(x - 3)(2x - 1)$

3. Factor  $x^2 - 17x + 72$

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4. Factor  $15x^2 - 37x + 18$

5. Factor  $80x^2 - 80$

6. Factor  $169x^2 + 104x + 16$

7. Factor  $36x^2 - 100$

8. Express  $y = x^2 + 12x - 9$  in vertex form by completing the square.

9. Express  $y = x^2 + 18x - 8$  in vertex form by completing the square.