

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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## Factoring Quadratics

Factor each completely. If non-factorable, write "Non-factorable".

1)  $x^2 + 4x - 32$

6)  $s^2 - 10s + 16$

2)  $g^2 + 5g + 41$

7)  $q^2 + q - 12$

3)  $r^2 + 2r - 35$

8)  $x^2 - 6x - 27$

4)  $q^2 - 6q - 27$

9)  $k^2 - 6k - 16$

5)  $b^2 - 2b + 37$

10)  $c^2 - 16c + 19$



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## Factoring Quadratics

Factor each completely. If non-factorable, write "Non-factorable".

1)  $x^2 + 4x - 32$   
 $(x + 8)(x - 4)$

6)  $s^2 - 10s + 16$   
 $(s - 8)(s - 2)$

2)  $g^2 + 5g + 41$   
Non-Factorable

7)  $q^2 + q - 12$   
 $(q - 3)(q + 4)$

3)  $r^2 + 2r - 35$   
 $(r + 7)(r - 5)$

8)  $x^2 - 6x - 27$   
 $(x - 9)(x + 3)$

4)  $q^2 - 6q - 27$   
 $(q + 3)(q - 9)$

9)  $k^2 - 6k - 16$   
 $(k - 8)(k + 2)$

5)  $b^2 - 2b + 37$   
Non-Factorable

10)  $c^2 - 16c + 19$   
Non-Factorable

