

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: 2

Quiz 3D Difference of Squares, Perfect Squares, and Factoring when  $a \neq 1$

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Review: Factor out the GCF

1.  $12a^2b + 6ab^2 + 18b$

Review: Completely factor the following using **The Box Method**

2.  $x^2 + x - 90$

Review:

FIRST: Factor out the GCF

SECOND: Completely factor using **The Box Method**

3.  $2x^2 + 10x + 8$

Identify the following special case binomial as either **Difference of Squares** or **Perfect Square** factors. Then factor completely.

4.  $9x^2 - 4$

Circle the correct special case

**Difference of Square**

**Perfect Square Trinomial**

Now Factor

5.  $16b^2 - 40b + 25$

Circle the correct special case

**Difference of Square**

**Perfect Square Trinomial**

Now Factor