

Name: _____

Date _____

Topic : Factoring the Difference of Two Perfect Squares - Worksheet 1

Factor the following:

1. $b^2 - 64$

2. $(b - 1)^2 - 196$

3. $25 - p^2$

4. $a^2 - 144$

5. $9a^2 - 121$

6. $x^2 - 81$

7. $(a - 2a)^2 - 16$

8. $324a^2 - 289$

9. $a^2 - 4b^2$

10. $81 - q^2$



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Topic : Factoring the Difference of Two Perfect Squares - Worksheet 2

Factor the following:

1. $p^2 - 169$

2. $(a-3b)^2 - 225$

3. $81 - a^2$

4. $4a^2 - 100$

5. $25b^2 - 256$

6. $x^2 - 64$

7. $(p-q)^2 - 9$

8. $a^2 - 4$

9. $m^2 - 4n^2$

10. $a^2 - b^2$



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Topic : Factoring the Difference of Two Perfect Squares - Worksheet 3

Factor the following:

1. $(a + 4b)^2 - 25c^2$

2. $(a - 3b)^2 - 9$

3. $100 - p^2$

4. $a^2 - 36$

5. $25a^2 - 16$

6. $9x^2 - 49$

7. $(p - q)^2 - 100$

8. $4a^2 - 36$

9. $25m^2 - 4n^2$

10. $361a^2 - b^2$



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Topic : Factoring the Difference of Two Perfect Squares - Worksheet 4

Factor the following:

1. $(a + 2b)^2 - 4c^2$

2. $(a - 3b)^2 - 9$

3. $625 - b^2$

4. $a^2 - 121$

5. $25a^2 - 16$

6. $81x^2 - 36$

7. $(a - b)^2 - 100$

8. $4a^2 - 36$

9. $25m^2 - 4n^2$

10. $361a^2 - b^2$



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Topic : Factoring the Difference of Two Perfect Squares - Worksheet 5

Factor the following:

1. $(3a - 2b) - 16c^2$

2. $(3a - 4b)^2 - 16$

3. $169a^2 - 25b^2$

4. $a^2 - 25$

5. $9a^2 - 16$

6. $81a^2 - 36$

7. $(p - q)^2 - 49$

8. $25b^2 - 64c^2$

9. $36m^2 - 4n^2$

10. $25a^2 - b^2$

