

Name : _____

Score : _____

Teacher : _____

Date : _____

Factoring Quadratics

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

1) $y^4 - 36y^2$

6) $n^4 - 49n^2$

2) $p^2 - 36$

7) $25g^4 - 4g^2$

3) $9x^4 - 36x^2$

8) $y^4 - 36y^2$

4) $4d^4 - 16d^2$

9) $9s^4 - 64s^2$

5) $w^2 - 49$

10) $h^2 - 64$



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Factoring Quadratics

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

1) $y^4 - 36y^2$
 $y^2(y - 6)(y + 6)$

6) $n^4 - 49n^2$
 $n^2(n - 7)(n + 7)$

2) $p^2 - 36$
 $(p - 6)(p + 6)$

7) $25g^4 - 4g^2$
 $g^2(5g - 2)(5g + 2)$

3) $9x^4 - 36x^2$
 $9x^2(x - 2)(x + 2)$

8) $y^4 - 36y^2$
 $y^2(y - 6)(y + 6)$

4) $4d^4 - 16d^2$
 $4d^2(d - 2)(d + 2)$

9) $9s^4 - 64s^2$
 $s^2(3s - 8)(3s + 8)$

5) $w^2 - 49$
 $(w - 7)(w + 7)$

10) $h^2 - 64$
 $(h - 8)(h + 8)$

