

Name : _____

Score : _____

Teacher : _____

Date : _____

Factoring Quadratics

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

1) $m^2 - 25$

6) $25w^4 - 4w^2$

2) $4r^4 - 4r^2$

7) $r^2 - 36$

3) $y^2 - 25$

8) $16p^2 - 16$

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

9) $q^4 - 4q^2$

5) $9s^4 - 25s^2$

10) $b^4 - 64b^2$



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Factoring Quadratics

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

1) $m^2 - 25$
 $(m - 5)(m + 5)$

6) $25w^4 - 4w^2$
 $w^2(5w - 2)(5w + 2)$

2) $4r^4 - 4r^2$
 $4r^2(r - 1)(r + 1)$

7) $r^2 - 36$
 $(r - 6)(r + 6)$

3) $y^2 - 25$
 $(y - 5)(y + 5)$

8) $16p^2 - 16$
 $16(p - 1)(p + 1)$

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

9) $q^4 - 4q^2$
 $q^2(q - 2)(q + 2)$

5) $9s^4 - 25s^2$
 $s^2(3s - 5)(3s + 5)$

10) $b^4 - 64b^2$
 $b^2(b - 8)(b + 8)$

