Name : _____     Score : _____

Teacher : _____     Date : _____

## Factoring Quadratics

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

1) $12h^2 - 32h + 20$

2) $20q^2 - 34q - 126$

3) $6k^2 + 22k + 16$

4) $12h^2 - 48h + 36$

5) $32y^2 - 112y + 90$

6) $12m^2 - 7m - 10$

7) $32b^2 - 176b + 192$

8) $18p^2 + 12p - 70$

9) $9c^2 - 3c - 12$

10) $9w^2 + 24w + 12$

## Factoring Quadratics

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

1) $12h^2 - 32h + 20$

   $4(h - 1)(3h - 5)$

2) $20q^2 - 34q - 126$

   $2(5q + 9)(2q - 7)$

3) $6k^2 + 22k + 16$

   $2(3k + 8)(k + 1)$

4) $12h^2 - 48h + 36$

   $12(h - 3)(h - 1)$

5) $32y^2 - 112y + 90$

   $2(4y - 9)(4y - 5)$

6) $12m^2 - 7m - 10$

   $(3m + 2)(4m - 5)$

7) $32b^2 - 176b + 192$

   $16(b - 4)(2b - 3)$

8) $18p^2 + 12p - 70$

   $2(3p - 5)(3p + 7)$

9) $9c^2 - 3c - 12$

   $3(3c - 4)(c + 1)$

10) $9w^2 + 24w + 12$

   $3(w + 2)(3w + 2)$

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