ACC Geometry
Name_____ ID: 1

Quadratics Factoring Review #2

Date_____ Period_____

Factor each completely.

1) $32a^2 + 228a - 224$

2) $45k^2 - 135k + 40$

3) $36m^3 - 222m^2 + 336m$

4) $8x^2 + 11x - 10$

5) $16r^3 + 172r^2 + 120r$

6) $9r^2 + 26r - 40$

7) $10b^2 + 21b - 27$

8) $8x^2n - 90xn + 100n$

9) $4r^2 + 15r - 54$

10) $54p^2 - 528p - 120$

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Factor each completely.

1) $32a^2 + 228a - 224$

$4(a + 8)(8a - 7)$

2) $45k^2 - 135k + 40$

$5(3k - 8)(3k - 1)$

3) $36m^3 - 222m^2 + 336m$

$6m(2m - 7)(3m - 8)$

4) $8x^2 + 11x - 10$

$(x + 2)(8x - 5)$

5) $16r^3 + 172r^2 + 120r$

$4r(r + 10)(4r + 3)$

6) $9r^2 + 26r - 40$

$(r + 4)(9r - 10)$

7) $10b^2 + 21b - 27$

$(b + 3)(10b - 9)$

8) $8x^2n - 90xn + 100n$

$2n(x - 10)(4x - 5)$

9) $4r^2 + 15r - 54$

$(r + 6)(4r - 9)$

10) $54p^2 - 528p - 120$

$6(p - 10)(9p + 2)$