

Factoring a not =1

Date _____ Period _____

Factor each completely.

1) $5v^2 - 14v - 3$

2) $5x^2 + 18x - 8$

3) $5x^2 + 27x + 28$

4) $2n^2 - 13n + 15$

5) $3x^2 - 31x + 56$

6) $7k^2 - 57k - 54$

$$7) 5a^2 + 41a - 90$$

$$8) 2p^2 + 27p + 70$$

$$9) 15b^2 + 55b - 350$$

$$10) 21x^2 + 96x + 48$$

$$11) 25m^2 - 290m + 400$$

$$12) 14x^2 + 100x + 14$$

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Factor each completely.

1) $5v^2 - 14v - 3$

$(5v + 1)(v - 3)$

2) $5x^2 + 18x - 8$

$(5x - 2)(x + 4)$

3) $5x^2 + 27x + 28$

$(5x + 7)(x + 4)$

4) $2n^2 - 13n + 15$

$(2n - 3)(n - 5)$

5) $3x^2 - 31x + 56$

$(3x - 7)(x - 8)$

6) $7k^2 - 57k - 54$

$(7k + 6)(k - 9)$

$$7) 5a^2 + 41a - 90$$

$$(5a - 9)(a + 10)$$

$$8) 2p^2 + 27p + 70$$

$$(2p + 7)(p + 10)$$

$$9) 15b^2 + 55b - 350$$

$$5(3b - 10)(b + 7)$$

$$10) 21x^2 + 96x + 48$$

$$3(7x + 4)(x + 4)$$

$$11) 25m^2 - 290m + 400$$

$$5(5m - 8)(m - 10)$$

$$12) 14x^2 + 100x + 14$$

$$2(7x + 1)(x + 7)$$