Bellwork Honors Alg 2 Friday, September 9, 2016

Factor each completely.

1. $3c^4 - 25c^2 - 18$

2. $5x^3 + x^2 + 20x + 4$

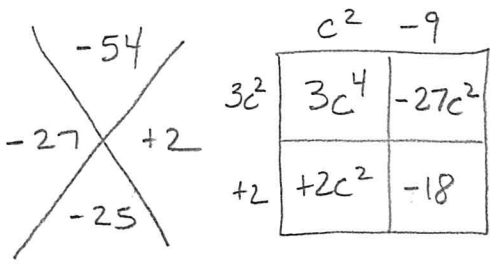
3. Solve this system of equations. $4m + 6n = 18$, $6m + 9n = 28$

Bellwork Honors Alg 2 Friday, September 9, 2016 Answers

Factor each completely.

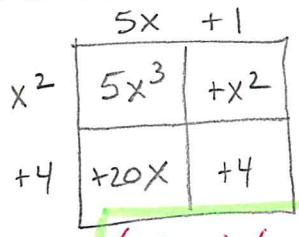
1. $3c^4 - 25c^2 - 18$

$(c \pm 3)(3c^2 + 2)$



$(c^2 - 9)(3c^2 + 2) \rightarrow (c \pm 3)(3c^2 + 2)$

2. $5x^3 + x^2 + 20x + 4$



$(x^2 + 4)(5x + 1)$

3. Solve this system of equations. $3(4m + 6n = 18)$, $2(6m + 9n = 28)$

$12m + 18n = 54$

$-\ 12m + 18n = 56$

$0 = -2 \rightarrow$ FALSE

NO SOLUTION