

Name: _____

Show the work that justifies your answer.

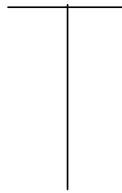
Date: _____

CW # 4-3: Algebra 1 - Sections 10-5 & 10-6: Factoring

40 points

Directions: Factor each polynomial. Check your answer by distributing.

1. $2x^2 + 12x - 80$



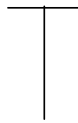
What is the greatest common factor?

*Factor the trinomial into two binomials
(be sure to bring down the common factor)*

Check your answer.

B	
L	
M	

2.



$2x^2 - 3x - 14$



B	
L	
M	

3.

$8x^2 - 18$

Pull the common factor from the two terms.

Factor the expression in () using diff of 2 perfect squares

B	
L	
M	

4. $16x^2y^7 - 20x^5y^5 + 8x^4y^3z^2$

What is the greatest common factor?

Name: _____

Show the work that justifies your answer.

Date: _____

CW # 4-3: Algebra 1 - Sections 10-5 & 10-6: Factoring

40 points

Directions: Factor each polynomial. Check your answer by distributing.

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

Group terms in pairs.

Find common factor for each group.

Parenthese should be same.

Parenthese are now the common factor

6. $5x^2 - 60x - 140$

What is the greatest common factor?

*Factor the trinomial into two binomials
(be sure to bring down the common factor)*

Check your answer.

B	
L	
M	

7.

$4x^2 + 12xy + 9y^2$

B	
L	
M	