

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Factorize**

Problems

Work Space

$$3(x + 5) - y(x + 5)$$

Answer:

$$m(n - 2) - 2(n - 2)$$

Answer:

$$x^2(x + 3) - x(x + 3)$$

Answer:

$$8m(5m + 4n) + 4n(5m + 4n)$$

Answer:

$$a(b - c) - d(b - c)$$

Answer:

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### Answers

$3(x + 5) - y(x + 5)$	
Answer: $(x + 5)(3 - y)$	
$m(n - 2) - 2(n - 2)$	
Answer: $(n - 2)(m - 2)$	
$x^2(x + 3) - x(x + 3)$	
Answer: $x(x + 3)(x - 1)$	
$8m(5m + 4n) + 4n(5m + 4n)$	
Answer: $4(5m + 4n)(2m + n)$	
$a(b - c) - d(b - c)$	
Answer: $(b - c)(a - d)$	