View Attempt 1 of Unlimited

Name: ~~Unrecognized~~ ⩗

Title: ST Factoring practice Q 19,20,21,22,23,24,25

Started: April 20, 2008 9:45 PM

Submitted: April 20, 2008 10:26 PM

Time spent: 00:40:51

Total score: 14/15 = 93.3333% | Adjust total score by: 0.0
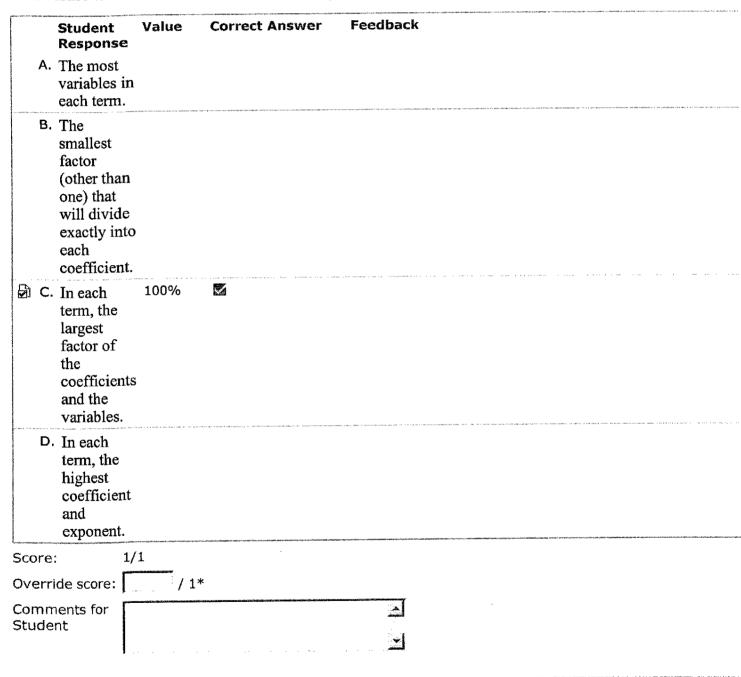
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1. **General 11**

    Which of the following statements is true?

		Student Response	Value	Correct Answer	Feedback
🗐	A.	You should try to simplify both sides of an equation before solving it.	100%	☑	
	B.	You should never simplify in an equation that you are going to solve.			
	C.	If you are going to solve an equation, you must simplify something first.			
	D.	You should solve the equation before trying to simplify the expressions.			

Score: 1/1

Override score: [   ] / 1*

Comments for
Student   [   ]

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2.   General 13

When asked to find the GCF of 2 or more terms, you should be looking for what?

	Student Response	Value	Correct Answer	Feedback
	A. The most variables in each term.			
	B. The smallest factor (other than one) that will divide exactly into each coefficient.			
	C. In each term, the largest factor of the coefficients and the variables.	100%	✅	
	D. In each term, the highest coefficient and exponent.			

Score: 1/1

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Student   [   ]

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3.   General

What should the FIRST step be when asked to factor a polynomial?

Student	Value	Correct Answer	Feedback

Response

🔲 A.	Look for the greatest common factor of all the terms.	100%	☑
B.	Look for 2 factors the equals the last coefficient that also adds up to the middle coefficient.		
C.	Multiply the first coefficient with the last coefficient.		
D.	Look for product of 2 factors that equals the leading coefficient.		

Score: 1/1

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Comments for Student [   ]

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4. **GCF 2**

What is the GCF of the following expression: $12x + 16y$

	Student Response	Value	Correct Answer	Feedback
🔲 A.	4	100%	☑	
B.	xy			
C.	$4xy$			
D.	12			

Score: 1/1

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Comments for Student		

5. GCF 8

What is the GCF of the following expression: $24x^2y^3 - 32x^3y^4$

		Student Response	Value	Correct Answer	Feedback
	A.	$8x^2y^3$	100%	✓	
	B.	$12x^3y^4$			
	C.	$6x^3y^3$			
	D.	$4x^2y^3$			

Score: 1/1

Override score: [   ] / 1*

Comments for Student	

6. GCF and or Bi 9

Factor completely: $20x^2 - 9x - 18$

		Student Response	Value	Correct Answer	Feedback
	A.	$(4x+3)(5x-6)$	100%	✓	
	B.	$(4x-6)(5x+3)$			
	C.	$(10x-3)(2x+6)$			
	D.	$(4x-3)(5x+6)$			

Score: 1/1

Override score: [   ] / 1*

Comments for Student	

7. GCF and or Bi 3

Factor completely: $8x^2 + 4x + 6$

Student Response	Value	Correct Answer	Feedback

A. $2(4x^2+2x+3)$ 100%   ☑

B. $4(4x^2+x+2)$

C. $(2x+3)(4x+2)$

D. $2(2x+3)(2x+1)$

Score: 1/1

Override score: [____] / 1*

Comments for Student [_____]

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8. Identify 1 Bi 2

Identify a factor of this trinomial: $3x^2+11x-4$

	Student Response	Value	Correct Answer	Feedback
A.	$(3x+4)$			
B.	$(3x-1)$	100%	☑	
C.	$(3x-4)$			
D.	$(x-4)$			

Score: 1/1

Override score: [____] / 1*

Comments for Student [_____]

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9. Identify 1 Bi 6

Identify a factor of this trinomial: $9x^2+3x-20$

	Student Response	Value	Correct Answer	Feedback
A.	$(9x+5)$			
B.	$(3x-5)$	0%		
C.	$(3x+4)$			
D.	$(3x-4)$		☑	

Score: 0/1

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Comments for Student [   ]

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10. Reduce 4

Simplify: $\dfrac{2x^2 + 11x + 5}{2x^2 - 5x - 3}$

		Student Response	Value	Correct Answer	Feedback
🔲	A.	$\dfrac{x+5}{x-3}$	100%	☑	
	B.	$\dfrac{11x+5}{-5x-3}$			
	C.	$\dfrac{2x+1}{x-3}$			
	D.	$\dfrac{x+5}{x+3}$			

Score: 1/1

Override score: [   ] / 1*

Comments for Student [   ]

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11. Reduce 5

Simplify: $\dfrac{3x^2 - 4x + 1}{x^2 - 2x + 1}$

		Student Response	Value	Correct Answer	Feedback
	A.	$\dfrac{3x+1}{x+1}$			
	B.	$\dfrac{3x-4}{x-2}$			
🔲	C.	$\dfrac{3x-1}{x-1}$	100%	☑	

D. $\dfrac{x-1}{x+1}$

Score: 1/1

Override score: [   ] / 1*

Comments for Student [   ]

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12. Solve by fact easy 3

Solve: $x^2 + 10x - 24 = 0$

	Student Response	Value	Correct Answer	Feedback
A.	$x = -12$ and $x = -2$			
B.	$x = 8$ and $x = -3$			
C.	$x = -12$ and $x = 2$	100%	✓	
D.	$x = 6$ and $x = 4$			

Score: 1/1

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Comments for Student [   ]

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13. Solve by fact hard 5

Solve: $10x^2 + 9x - 9 = 0$

	Student Response	Value	Correct Answer	Feedback
A.	$x = \dfrac{3}{5}$ and $x = -\dfrac{3}{2}$	100%	✓	
B.	$x = -\dfrac{3}{5}$ and $x = \dfrac{3}{2}$			
C.	$x = -\dfrac{5}{3}$ and $x = \dfrac{2}{3}$			
D.	$x = \dfrac{5}{3}$ and $x = -\dfrac{2}{3}$			

Score: 1/1

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14. Solve by fact hard 2

Solve: $6x^2 - 5x + 1 = 0$

	Student Response	Value	Correct Answer	Feedback
A.	$x = -3 \ and \ x = -2$			
B.	$x = \dfrac{1}{3} \ and \ x = \dfrac{1}{2}$	100%	✅	
C.	$x = -\dfrac{1}{3} \ and \ x = -\dfrac{1}{2}$			
D.	$x = 3 \ and \ x = 2$			

Score: 1/1

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15. Factor by group

Factor completely: $am + 5a + 3m + 15$

	Student Response	Value	Correct Answer	Feedback
A.	$(a+3)(m+5)$	100%	✅	
B.	$(a+1)(m+15)$			
C.	$(am+3)(ma+5)$			
D.	$(a+5)(m+3)$			

Score: 1/1

Override score: [＿＿＿] / 1*

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