orm. A calculator may be used. No notes, no books, no

xam answers are to be in simplest form. A calculator may be used. No notes, no books, no mework may be used while taking this exam. Use blank spaces on the exam to show your work. Attach all scratch paper to the exam.

Factor the expression completely.

 $yz^3 + 125y$

Graded and scanned. Marked up with Drawboard PDF below.

33

Factor the trinomial.

2/2

2)
$$32 + 12x + x^2$$

x (x+4) +8 (x+4) (x+4) (x+8) 32

Show work for questions from MyMathLab chapter tests. Be sure to put the question number by your work. Partial credit may be given even though your final answer is wrong. Test proctor has the password to access MyMathLab Chapter tests.

Question		
0 10x3	3,6x2,114x	The same of the sa
7x (5	x2+3x+7)	

Question
$$\frac{2}{30}$$
 $\frac{30}{4}$ $\frac{4}{5}$ $\frac{3}{3}$

Split screen used with key on one side and student work on the other.

Question	
x3,5x2,15x+25	
x2 (x+5)+5 (x+5)	
$(x+5)$ (x^2+5) $(x+5)$	¥
(MS) THE THE	L
	_

Question 5 $x^{2}+13x+40$ $x^{2}+5x+8x+46$ x(x+5)+8(x+5)(x+5)(x+8)

Question 6 $8y^{2}-22y+14$ 26 $7(4y^{2}-11y+7)-7+4$ $4y^{2}-4y-7y+7$ 4y(y-1)-7(y-1) 4y(y-1)-7(y-1)

Aguestion $\frac{7}{9x^2-16}$ $\left(\frac{3x-4}{3x+4}\right)$

Question $\frac{8}{x^2+2(x+3)}$ 31

Show work for questions from MyMathLab chapter tests. Be sure to put the question number by your work. Partial credit may be given even though your final answer is wrong. Test proctor has the password to access MyMathLab Chapter tests.

Question_	9
X	

9x2+100

Question 10

 $x^{3}-6x^{2}+4x-24$ $x^{2}(x-6)+4(x-6)$ poest $(x-6)(x^{2}+4)$ factor $(x-6)(x^{2}+4)$

Question (

(9, 15) (9, 15) (9, 15)

Question 12 $\frac{12}{4}$ $\frac{12}{4}$

Question 13

x2-4x=45=0

 $x^{2}+5x-9x-45$ x(x+5)-9(x+5)(x+5)(x-9) Question $\frac{|Y|}{X(x-6)-55=0}$ $x^2-6x-55=0$ $x^2-6x-55=5$, |X| $x^2+5x-|X|-55=0$ $x^2+5x-11=0$ $x^2+5x-11=0$ $x^2+5x-11=0$

Question _____

5(5-6)=55

uestion ____ (x+7)

x+2)(x-2) x+4x+4

XZL