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MAT 055 Section	Name_Kell_	
Written Test D Chapter 12	Date	
Ray Brown Op. 2/6	Campus	

All test answers are to be in simplest form. A calculator may be used.

Cell phones, iPads, and other electronic devices with scanning or photo ability may NOT be used. No notes, no books, no homework may be used while taking this test.

Use blank spaces on the test to show your work. Attach all scratch paper to the test.

Perform the indicated operation(s) and simplify. Write all answers using positive exponents.

33 1)	$(k^4)^{-8}(km)^3$ $(k^4)^{-32}$ $(k^3)^3$ $(k^2)^{-32}$ $(k^3)^3$ $(k^2)^{-32}$ $(k^3)^3$	14
2)	$\frac{(x+d)^{-3}}{(x+d)^{-4}}$ $\frac{(x+d)^{-4}}{(x+d)^{-4}}$ $\frac{(x+d)^{-3}}{(x+d)^{-4}} = (x+d)$ $\frac{(x+d)^{-3}}{(x+d)^{-3}} = (x+d)$	
<b>3</b> 3)	$\frac{7^{4} \times^{7}}{7^{7} \times^{5}}$ $\frac{2401 \times^{7}}{823,543 \times^{5}}$ $\frac{1}{7^{3} \times^{2}} = \frac{2}{343}$	
7>49	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

Divide

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4) 
$$\frac{6x^9 - 6x^5}{-3x^9}$$

$$\frac{6x^{9}-6x^{5}}{-3x^{9}}$$

$$\frac{-2+2x^{4}}{-2+2}$$

$$-2+\frac{2}{x^{9}}$$
orday

Divide using long division.

5) 
$$(x^2 + 12x + 20) \div (x + 3)$$

44



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  $\frac{2}{3(-xy^4)(x^7y)} = \frac{3(-1(x))}{3(-xy^4)(x^7y)} = \frac{3(-1(x))}{3(-1(x))} = \frac{3(-1(x))}{3($ 

Question  $\frac{3}{(-7xy^3)(4x^3y)}$  $-28x^4y^4$ 

Question  $\frac{4}{(x^2y^5)^{-2}}$  Lost Sisn  $(x^2)^{-2}(y^5)^{-2}$  Lost  $(x^2)^{-2}(y^5)$ 

Question 5  $-ba(b^2-3a^2)$   $-b^3a+3ba^3$ 

Question 6 (3a-4)(4a-6)  $12a^2-16a-18a+24$  $12a^2-34a+24$  Question  $\frac{7}{(86+7)^2}$  8.7 = 56  $646^2 + 1286 + 49$  1126 2.5

Question  $\frac{8}{2m+3n}$  (2m-3n) (2m-3n)  $4m^2+6mn-6mn-9n^2$   $4m^2-9n^2$ 

Question  $\frac{9}{\alpha^2 - 8\alpha + 8}$   $\frac{\alpha + 6}{6\alpha^2 - 48\alpha + 48}$   $\frac{3}{\alpha^3 - 8\alpha^2} = 8\alpha$   $\frac{3}{\alpha^3 - 2\alpha^2 - 46\alpha + 48}$ 

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Question 10

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Question \_\_\_\_

12x5 -4x 12 4x 4x 4x

 $\frac{3}{3}x^{4} + \frac{3}{3}$ 

Question 12

Question \_\_\_\_\_

Question \_\_\_\_\_

Question \_\_\_\_\_

Question \_\_\_\_\_

Question \_\_\_\_\_