

## College Algebra Homework — Fall 2009

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efou = every fourth

Section	Assignment
<b>0.2</b>	1-69odd, 71-80
<b>0.3</b> additional:	1-7odd, 9-21efou, 25-63odd, 70, 71, 75-80 Use the formula for perfect cubes to write in standard form a) $(x - 5)^3$ b) $(3y + 4)^3$ c) $(7u - 2v)^3$
<b>0.4</b>	1-5odd, 11, 13-83odd, 99, 100
<b>0.5</b>	1-89odd, 95-100
<b>0.6</b>	1-63odd, 73-80
<b>0.7</b>	1-11odd, 13-25efou, 29-59odd, 65-75odd, 79-84
<b>1.1</b>	1-33efou, 37, 43, 47, 49-65efou, 71, 73, 79-82
<b>1.2</b>	1-13odd, 19-49odd
<b>1.3</b>	1, 5, 11, 13, 17, 23-49odd, 57-71odd, 75-93odd, 97-113odd, 115-118
<b>1.4</b>	1-21odd, 25, 27, 31-49odd, 57-65odd, 83-86
<b>1.5</b>	1-15odd, 25-31odd, 33-49efou, 51-55odd, 59-95odd, 99, 105-108
<b>1.7</b>	1-17odd, 29-53odd, 63-67odd, 69-71, 73-76
<b>2.1</b>	1-6, 7, 9, 13-29efou, 33, 35, 39, 45-50, 53
<b>2.2</b> additional:	1-13odd, 19, 23-31odd, 79 Use calculator to graph and find intercepts for: a) $y = x^2 + \sqrt{5}x - 7$ b) $y = -3x^2 + 5x - 13$ c) $y = -x^3 + 7x^2 - 3x - 10$ d) $y = x^4 - 4x^3 - 5x^2 + 3x + 3$
<b>2.3</b>	1-59odd, 61-85efou, 87-95odd, 101-105odd, 113-122
<b>2.4</b>	1-41efou, 47, 49, 61-70
<b>3.1</b>	19-23odd, 27-39efou, 43-55efou, 44-56efou, 57, 60, 61, 64, 65-99odd, 101, 103, 107, 115-120
<b>3.2</b>	1-15odd, 23, 27-35odd (also find local max/min), 39, 43, 45, 49, 57-65odd, 77, 81-85odd, 95-98
<b>3.3</b>	1-18, 25-31odd, 33-39odd, 41, 46, 49-73odd, 85, 86, 89, 90
<b>3.4</b>	1-19odd, 21-29odd, 39-43odd, 51-65odd, 69-75odd, 79, 81, 82
<b>3.5</b>	11-15odd, 17-23odd (only graphically), 27, 33, 35-41odd, 45-59odd, 65, 69, 71-80
<b>3.6</b>	61a, 63a, 65

<b>Section</b>	<b>Assignment</b>
<b>4.1</b>	1-8, 9-21efou, 23-29odd, 33-39odd, 49-53odd, 61, 63, 67, 69, 70, 75-82
<b>4.2</b>	1-9odd, 11-18, 19-25odd, 27-33odd, 39-51efou, 53-69efou, 73-76, 83-85, 87-92
<b>4.6</b>	1-19odd, 27-32, 35-47efou, 46, 55, 59-61, 63-69odd, 71-73, 76, 77
<b>5.1</b>	1-25odd, 27-32, 33-45efou, 57-61odd, 65-72
<b>5.2</b>	1-63odd, 65-70, 71-77odd, 81, 97, 98, 101-108
<b>5.3</b>	1-53odd, 59-66
<b>5.4</b>	1-35odd, 39, 43, 45-75odd, 77, 79, 85, 86, 91-98
<b>5.5</b>	7-23odd, 43