

# College Algebra

University of Missouri – St Louis Math1030

## Unit 2 – Quadratic Functions

DAY	Book Section	Learning Targets	Homework due next class
9/11 (B) & 9/12 (R)	P-4	FOIL Practice Factoring -GCF - $a = 1$ - $a \neq 1$ -patterns	Pg. 39 (13-27 odd, 37-45 odd, 53-65 odd)
9/13 (B) & 9/16 (R)	1-4 & 1-8	Applying Factoring -Solving -graphing -writing equations -word problems -inequalities	Pg. 110 (13 – 21 odd, 130-134 all) Pg. 147 (13 – 25 odd)
9/17 (B) & 9/18 (R)	1-4 & 3-1	Simplifying Radicals $y = ax^2 + c$ -solving -graphing -word problems -writing equations -inequalities	Pg. 110 (25-35 odd, 57-60 all, 116, 119, 120)
9/19 (B) & 9/20 (R)	1-4 & 3-1	Completing the Square – rewriting $y = a(x - h)^2 + k$ -solving -graphing -writing	Pg 110 (39-47 odd) Pg. 248 (7-12 (graph as we did in class), 43 – 44, 48 – 50)
9/23 (B) & 9/24 (R)	1-4	Quadratic Formula Practice Discriminant	Pg. 110 (65 – 71 odd, 75, 79, 81, 85, 87)
9/25 (B) & 9/26 (R)	1-4 & 3-1	<b>QUIZ Factoring/Square Root/Complete the Square</b> Quadratic Formula -solving -graphing -word problems -inequalities	Pg. 112 (113, 167, 117, 121, 123, 129) Pg. 248 (17 – 23 odd)
9/27 (B) & 9/30 (R)	1-5	Complex Numbers -operations -solving -writing equations	Pg. 119 (16 – 20, 25 – 29, 34 – 37, 47 – 54, 71 – 74, 81, 82)
10/1 (B) & 10/2 (R)	1-1	Circles -writing equations -graphing	Pg. 79 (61 – 73 odd)

10/3 (B) & 10/4 (R)	Review		Review Packet
10/7 (B) & 10/8 (R)	Test		