

Math 089-095 Online ~ Blitzer/Tussy Topic Correspondence Chart

Basic topic correspondence between *Introductory and Intermediate Algebra for College Students* 3rd edition by Robert Blitzer and *Elementary and Intermediate Algebra* 3rd edition by Tussy/Gustafson.

TOPIC	BLITZER	TUSSY
Pre-algebra (review topics)	1.1-1.2	1.1-1.2
Real Numbers	1.3	1.3
Intro to Algebra	1.4	1.8 + 2.3
Pre-algebra (review topics)	1.5-1.7	1.4-1.6
Exponents; Order of Ops	1.8	1.7
Solving Linear Equations	2.1-2.2	2.1
Multi-Step Problems	2.3	2.4
Formulas and Percents	2.4	2.5
Word Problems	2.5-2.6	2.2 + 2.6
Interval Notation	2.7	2.7
Solving Linear Inequalities	2.7 (+9.1 optional)	2.7
Solving Compound Inequalities	9.2	2.7 (+8.1 recommended)
Absolute Value Inequalities	SKIP 9.3	SKIP 8.2
Intro to Graphing Equations	3.1	3.1-3.2
Intro to Functions	8.1	8.7
Graphs of Functions	8.2	8.8
Algebra of Functions	8.3	11.1 (SKIP "composition")
Lines - Intercepts	3.2	3.3
Lines - Slope	3.3	3.4
Lines - Equations	3.4-3.5	3.5-3.6
Graphing Linear Ineqs & Systems	SKIP 9.4	SKIP 3.7
Systems – Graphing	4.1	7.1
Systems – Substitution & Elim.	4.2-4.3	7.2-7.3 (+12.1 optional)
Systems – Applications	4.4	7.4
Systems – 3x3	4.5	12.2
Polys – Adding & Subtracting	5.1	4.1 + 4.4-4.5
Polys – Multiplying	5.2	4.6
Polys – Special Products	5.3	4.7
Polys – Several Vars	5.4	throughout chapter 4
Polys – Dividing & Long Division	5.5-5.6	4.8
Neg Exponents & Sci Notation	5.7	4.2-4.3
Factor – GCF, Grouping	6.1	5.1
Factor – Trinomials	6.2-6.3	5.2-5.3
Factor – Special Forms	6.4	5.4-5.5
Factor – General Strategy	6.5	5.6

Solving Quad Eqs by Factoring	6.6	5.7
Rat - Simplify	7.1	6.1
Rat – Multiplying & Dividing	7.2	6.2
Rat – Adding & Subtracting	7.3-7.4	6.3-6.4
Compound Rational Expressions	7.5	6.5
Solving Rational Equations	7.6	6.6
Word Problems (DRT and work)	7.7	6.7
Word Probs (variation, etc.)	SKIP 7.8	SKIP 6.8; 8.9 optional
Roots & Radical Fns	10.1	9.1
Fractional Exponents	10.2	9.2
Rad – Multiplying & Dividing	10.3	9.3-9.4
Rad – Add, Subt, Divide	10.4	9.3-9.4
Rad – Operations & Rationalizing	10.5	9.4
Solving Radical Equations	10.6	9.5
Complex Numbers	10.7	9.7
Quad – Root Method, CTS, PT	11.1	9.6 + 10.1
Quad – QF & Discriminant	11.2	10.2-10.3
Parabolas	11.3	10.4
Nonlinear Inequalities	SKIP 11.4-11.5	SKIP 10.5
Functions – Composite & Inverse	8.4	11.1 (“composition”) + 11.2
Exponential Functions	12.1	11.3-11.4
Logarithmic Functions	12.2	11.5-11.6
Properties of Logs	12.3	11.7
Solving Exp/Log Equations	12.4	11.8
Applications of Exp/Log	12.5	11.8 (apps)
SKIP matrices, conics, seqs, etc	ch 13, ch 14	12.3-12.4, ch 13, ch 14

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