

MATH 1300 - INTERMEDIATE ALGEBRA

Math & Testing Success

"Be Mathematicious"... <http://www.youtube.com/watch?v=6cAs1YBELmA&feature=related>

"Feel Your Best" ... <http://www.youtube.com/watch?v=Zs-IeO31kZk&feature=related>

"Testing Strategies" ... <http://www.youtube.com/watch?v=fvS-h1tv8yo&feature=related>

Chapter 3 – Graphs, Linear Equations and Introduction to Functions

1) <http://www.youtube.com/watch?v=HdrCwFNcXGU&feature=related>

2) <http://www.youtube.com/watch?v=BH3ngkv0ug8&feature=related>

3) http://www.youtube.com/watch?v=vZ1Sf_pc5DM&feature=related

4) http://www.youtube.com/watch?v=u3spOO-m_Gg

Section 3.4 Slopes

1) <http://www.youtube.com/watch?v=BH3ngkv0ug8&feature=related>

2) <http://www.youtube.com/watch?v=JD5X1Z1IhsQ>

Section 3.5 Equations of Lines

1) http://www.youtube.com/watch?v=u3spOO-m_Gg

2) http://www.youtube.com/watch?v=JImS9dx_LIM

3) <http://www.youtube.com/watch?v=lZZjRBaELXc&feature=related>

4) <http://www.youtube.com/watch?v=eHPTyYbNmx4>

Section 3.6 - Functions

1) <http://www.youtube.com/watch?v=tK4e9vasqyE>

2) <http://www.youtube.com/watch?v=I0f9O7Y2xI4>

3) <http://www.youtube.com/watch?v=qxmc-vyeb6g>

4) http://www.youtube.com/watch?v=Jr8qU_PI_QU&NR=1

5) <http://www.youtube.com/watch?v=FoDHSqOZuiw>

Chapter 6 – Factoring Polynomials

- 1) <http://www.youtube.com/watch?v=17TAhGNNDTA&feature=related>
- 2) <http://www.youtube.com/watch?v=HATNS8WfPGw&NR=1>
- 3) <http://www.youtube.com/watch?v=q0w7hLDMKMw&feature=related>

6.1 Greatest Common Factor and Factor By Grouping

- 1) <http://www.youtube.com/watch?v=VW4qPOFTpsE&feature=related>
- 2) <http://www.youtube.com/watch?v=ODWvOfqMOVs&feature=related>
- 3) <http://www.youtube.com/watch?v=VdNek5ms7fs&feature=related>

6.2 Factoring Trinomials of the Form $x^2 + bx + c$

- 2) http://www.youtube.com/watch?v=m2Iu_Cx83SY&NR=1
- 1) <http://www.youtube.com/watch?v=nOZTe8jU2g4>
- 3) <http://www.youtube.com/watch?v=rauPDOG8qYU&feature=related>

6.3 Factoring Trinomials of the Form $ax^2 + bx + c$ and Perfect Square Trinomials

- 1) <http://www.youtube.com/watch?v=q1xa8igHoi8&feature=related>
- 2) <http://www.youtube.com/watch?v=R3PFOPZJP5o>
- 3) <http://www.youtube.com/watch?v=zKONrJESZ5w&feature=related>
- 4) <http://www.youtube.com/watch?v=AMEau9OE6Bs&feature=related>
- 5) <http://www.youtube.com/watch?v=apWn9pMvgCc>
- 6) http://www.youtube.com/watch?v=liRNTieIU_k&feature=relmfu

6.4 Factoring Trinomials of the Form $ax^2 + bx + c$ by Grouping

- 1) <http://www.youtube.com/watch?v=XmuF1ACkgCA&feature=relmfu>
- 2) <http://www.youtube.com/watch?v=GD1lcYkBzt8&feature=relmfu>
- 3) <http://www.youtube.com/watch?v=LWxenxoGh74&feature=related>
- 4) <http://www.youtube.com/watch?v=2Q8IG1WaqJY&feature=related>
- 5) <http://www.youtube.com/watch?v=YaCpeoxGa4E&feature=relmfu>

6.5 Difference of Perfect Squares

- 1) <http://www.youtube.com/watch?v=S1u8Y4t9OKg&feature=related>
- 2) <http://www.youtube.com/watch?v=nLEv0DTkNeE>
- 3) http://www.youtube.com/watch?v=h23I_GUYfJA
- 4) <http://www.youtube.com/watch?v=tvnOWIoeaU>
- 5) <http://schools.rps205.com/quilford/Departments/Math/Links.htm> (Chart of Squares-Item 8 Quadratic)

6.6 Solving Quadratic Equations by Factoring

- 1) <http://www.youtube.com/watch?v=F9hPpFTnLXA&feature=related>
- 2) <http://www.youtube.com/watch?v=l1uiMOUSCZg&feature=related>
- 3) http://www.youtube.com/watch?v=1q31_2BMTs0&feature=related
- 4) <http://www.youtube.com/watch?v=7yla9oGw40Q&feature=related>
- 5) <http://www.youtube.com/watch?v=IMU5wMDcJNg&feature=related>
- 6) <http://www.youtube.com/watch?v=SDe-1lGeS0U&feature=related>

6.7 Quadratic Word Problems

- 1) http://www.youtube.com/watch?v=D87sogoU_68&feature=relmfu
- 2) <http://www.youtube.com/watch?v=bCFFw18JEDI&feature=related>
- 3) <http://www.youtube.com/watch?v=-kEZO6OfdDE>
- 4) <http://www.youtube.com/watch?v=HOxLak15pY8&feature=related>

Chapter 7 – Rational Expressions

Fraction Rules Review Introduction

- 1) <http://www.youtube.com/watch?v=nqGD41-4VTo>
- 2) <http://www.youtube.com/watch?v=eOeWL2pKqg4&feature=related>
- 3) <http://www.youtube.com/watch?v=seKRKWB68FI&feature=related>

7.1 Simplifying Rational Expressions videos

- 1) <http://www.youtube.com/watch?v=7Uos1ED3KHI&feature=related>
- 2) <http://www.youtube.com/watch?v=XChok8XIF90&feature=related>
- 3) http://www.youtube.com/watch?v=ey_b3aPsRI8&feature=relmfu
- 4) <http://www.youtube.com/watch?v=dstNU7It-Ro&feature=relmfu>
- 5) <http://www.youtube.com/watch?v=msSBBblc08c>

7.2 Multiplying and Dividing Rational Expressions videos

- 1) http://www.youtube.com/watch?v=f-wz_ZzSDdg&feature=related
- 2) <http://www.youtube.com/watch?v=gcnk8TnzsLc&feature=relmfu>

7.3 and 7.4 Adding and Subtracting Rational Expressions videos

- 1) http://www.youtube.com/watch?v=U4_jAbKRSOM&feature=related
- 2) http://www.youtube.com/watch?v=8_2x1kktEPc&feature=related

Chapter 7.5: Solving Rational Equations

- 1) <http://www.youtube.com/watch?v=RC-Q7MeAfS8&feature=related>
- 2) <http://www.youtube.com/watch?v=2qeeVzAGUTk&feature=related>

Chapter 7.6: Ratios and Proportions:

- 1) <http://www.youtube.com/watch?v=fmaVgkR0ZXg>
- 2) http://www.youtube.com/watch?v=PAOx66_QYFc&feature=related
- 3) http://www.youtube.com/watch?v=UsPmg_Ne1po&feature=related
- 4) <http://www.youtube.com/watch?v=SW6oGHCzuz0&feature=related>
- 5) http://www.youtube.com/watch?v=LO5FivhtL_k&feature=relmfu
- 6) <http://www.youtube.com/watch?v=Ss3fp51qhMo&NR=1>
- 7) <http://www.youtube.com/watch?v=LdqHLJmjicg&feature=related>

7.7 Complex Fractions

- 1) <http://www.youtube.com/watch?v=uSdtUjBxMwA&feature=related>
- 2) <http://www.youtube.com/watch?v=BzlpeyUZGKw&feature=related>
- 3) <http://www.youtube.com/watch?v=HqIqZ5xbpiU>
- 4) <http://www.youtube.com/watch?v=B3QJpMfIL1M&feature=related>
- 5) <http://www.youtube.com/user/robichaudd?lend=1&ob=5#p/u/0/SI4Zrw8soPA>

Chapter 10 – Rational Expressions and Radicals

10.1 Radicals and Radical Expressions

- 1) http://www.youtube.com/watch?v=IEI_oeg7UKQ
- 2) <http://www.youtube.com/watch?v=l7Ic9Q6Qxe4&feature=related>
- 3) <http://www.youtube.com/watch?v=K mM3iIyhHGg>
- 4) <http://www.youtube.com/watch?v=D4nMcPJIEFY&feature=related>
- 5) <http://www.youtube.com/watch?v=4ifq9IZT8F0&feature=related>

10.2 Rational Exponents

- 1) http://www.youtube.com/watch?v=sf_EJrXWTH0
- 2) <http://www.youtube.com/watch?v=XS5eVNfxtl8&feature=related>
- 3) <http://www.youtube.com/watch?v=wDn8IuAqRwc&feature=related>
- 4) <http://www.youtube.com/watch?v=N1kNhOk-5WM&feature=related>

10.3 Simplifying Radical Expressions

- 1) <http://www.youtube.com/watch?v=h5XXu1tijXo&feature=related>
- 2) <http://www.youtube.com/watch?v=Mm31HKBP1Gc&feature=pyv&ad=11872019132&w=simplifying%20radicals>
- 3) <http://www.youtube.com/watch?v=hclSMThq8yE>

10.4 Adding & Subtracting Radical Expressions

- <http://www.youtube.com/watch?v=cck21j9oGOA>
<http://www.youtube.com/watch?v=oPQnzzGJfjM>
<http://www.youtube.com/watch?v=OJp-GN8YMBM&feature=related>
<http://www.youtube.com/watch?v=AeH6SxY7sxo&feature=related>
<http://www.youtube.com/watch?v=OJp-GN8YMBM&feature=related>

10.5 Rationalizing Denominators

- <http://www.youtube.com/watch?v=0-SdNy7mmGo&NR=1>
<http://www.youtube.com/watch?v=wjcd0vezVa4>
<http://www.youtube.com/watch?v=-R6dAiprnDI&feature=related>
<http://www.youtube.com/watch?v=ENIUcjDPO54>
<http://www.youtube.com/watch?v=3yDYCVh6orA>

10.6 Solving Radical Equations

- <http://www.youtube.com/watch?v=LY8VBsLf-4M>
<http://www.youtube.com/watch?v=nz2VA0fwwmg&feature=related>
<http://www.youtube.com/watch?v=hBZSEBT2AWg&NR=1>

Chapter 11 – Quadratic Equations and Functions

11.1 Solving Using The Square-Root Property

<http://www.youtube.com/watch?v=RMwoe8sRYvg&feature=fvsr>

<http://www.youtube.com/watch?v=LSANfj3ozSk&NR=1&feature=fvwp>

11.2 Solving using the quadratic formula

<http://www.youtube.com/watch?v=TBBBHeI5Kdk&feature=related>

http://www.youtube.com/watch?v=j-hrP_9vx5o&feature=fvwrel

<http://www.youtube.com/watch?v=s80J2dAUUyI>