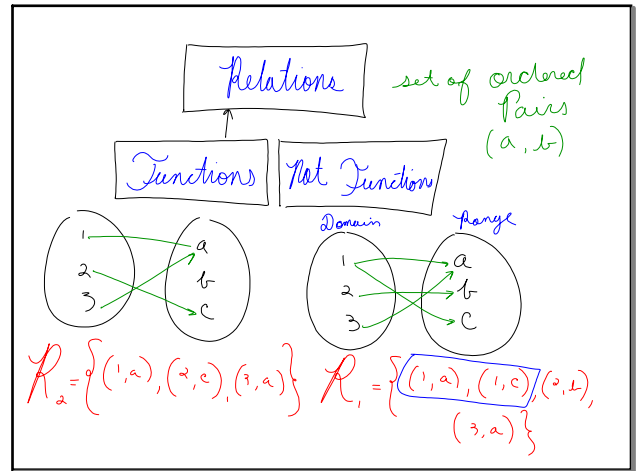
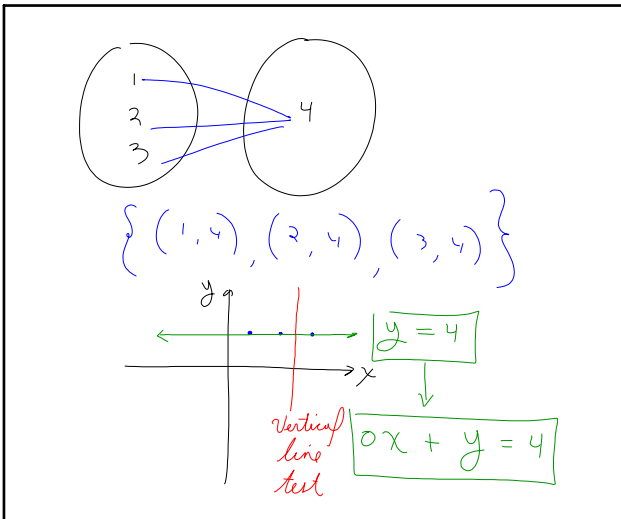


September 23, 2015
 * Quiz #3 - Friday
 I & Z Test
 1.2.1 - 1.2.3
 (Relations)
 pg 29 - 32
 1-56 odd

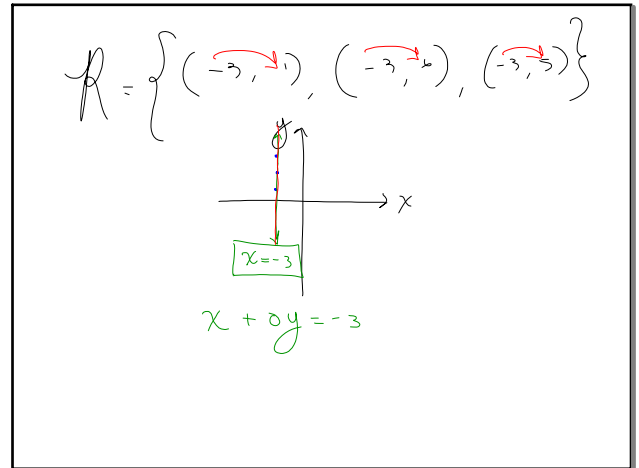
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Sep 23-11:26 AM



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#3) $w(t) = -2t + 1$; $w(-7)$
 $= -2(-7) + 1$
 $= 14 + 1$
 $= 15$

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#8) $p(a) = -4^{3a}$; $p(-1)$

Neg Exponent Rule

$= -4^{3(-1)}$
 $= -4^{-3}$

① $a^{-n} = \frac{1}{a^n}$ $= -\frac{1}{4^3} = -\frac{1}{64}$

② $\frac{1}{a^{-n}} = a^n$

$(-4)^{-3} = \frac{1}{(-4)^3} = -\frac{1}{64}$

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$$\begin{array}{l}
 -6^2 \quad \vee \quad (-6)^2 \\
 (-) \cdot 6^2 \quad (-6) \cdot (-6) = 36 \\
 (-) \cdot 6 \cdot 6 \\
 (-6) \cdot 6 \\
 -36
 \end{array}$$

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$$\begin{array}{l}
 \#12) \quad w(a) = a + 3; \quad w(a+4) \\
 = (a+4) + 3 \\
 = a + 4 + 3 \\
 = a + 7 \\
 \#14) \quad k(a) = -4^{3a+2}; \quad k(a-2) \\
 = -4^{3(a-2)+2} \\
 = -4^{3a-6+2} \\
 = -4^{3a-4} \\
 = -4
 \end{array}$$

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$$\begin{array}{l}
 \#15) \quad g(m) = m^3 - 5m^2; \quad g(-4m) \\
 = (-4m)^3 - 5(-4m)^2 \\
 = (-4m)(-4m)(-4m) - 5(-4m)(-4m) \\
 = -64m^3 - 5(16m^2) \\
 = -64m^3 - 80m^2
 \end{array}$$

Sep 23-11:42 AM