Algebra 2 - Monday 8-20-12

Introduction ⇒ ☐ 1st Day Forms
☐ Supplies
☐ BulldogMath.com

Vocabulary ⇒ PPC, OBC, CBQ, DFQ, EXAM

Ch 1-1 TRANSFORMATION – change in position, size, shape
*(X-Y PLANE)
- ↳ TRANSLATION
  - ↳ horizontal, vertical
- ↳ REFLECTION – across a line (l or r)
- ↳ Stretch/compress – horz or vert (x) (y)

Review vocabulary: function, function NOTATION inverse function, domain, range

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- Evaluating functions
- Solving quadratic functions by factoring (magic number method)

HW: ☐ Forms
☐ Supplies
☐ Flashcards
☐ Bulldogmath

① $g(N) = 3 \cdot N - 1$ Find $g(1)$

$g(1) = 3(1) - 1$

$\boxed{g(1) = 2}$

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⑪ $f(a) = 2a$ find $f\left(\frac{11}{10}\right)$

$f\left(\frac{11}{10}\right) = 2\left(\frac{11}{10}\right)$

$\boxed{f\left(\frac{11}{10}\right) = \frac{11}{5}}$

$\frac{2}{1} \cdot \frac{11}{10} = \frac{22}{10}$

$\frac{11}{5}$

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⑲ $h(x) = x^3 - 1$ find $h(-x)$

$h(-x) = (-x)^3 - 1$

$\boxed{h(-x) = -x^3 - 1}$

(31) $g(a) = a^2 + 1$ find $g(a+2)$

$$g(a+2) = (a+2)^2 + 1$$

$$= (a+2)(a+2) + 1$$

$$g(a+2) = a^2 + 4a + 4 + 1$$

$$\boxed{g(a+2) = a^2 + 4a + 5}$$