



Regents Examination in Algebra I (Common Core)

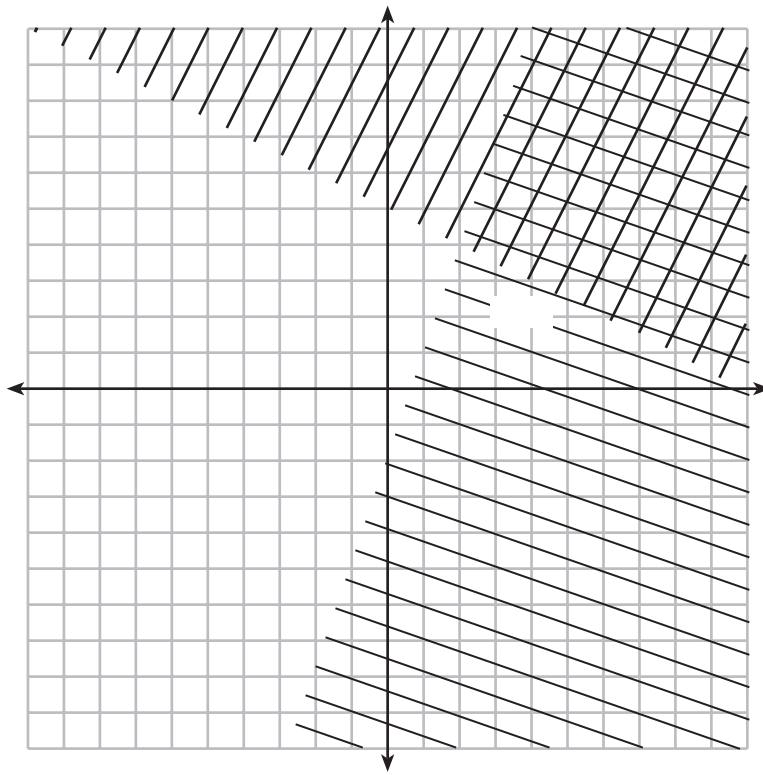
Sample Questions Fall 2013



THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

New York State Common Core Sample Questions: Regents Examination in Algebra I (Common Core)





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$$x^2 - x - =$$

$$3 \pm 2\sqrt{7}$$

$$-3 \pm 2\sqrt{7}$$

$$3 \pm 4\sqrt{14}$$

$$-3 \pm 4\sqrt{14}$$

$$m^2 + m = m$$

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Miles Driven	Number of Gallons Used
150	7
200	10
400	19
600	29
1000	51

nearest hundredth

$$y = x -$$

$$y = x -$$

$$y = x -$$

$$x -$$

or

or

$$C(x) = -x$$

—

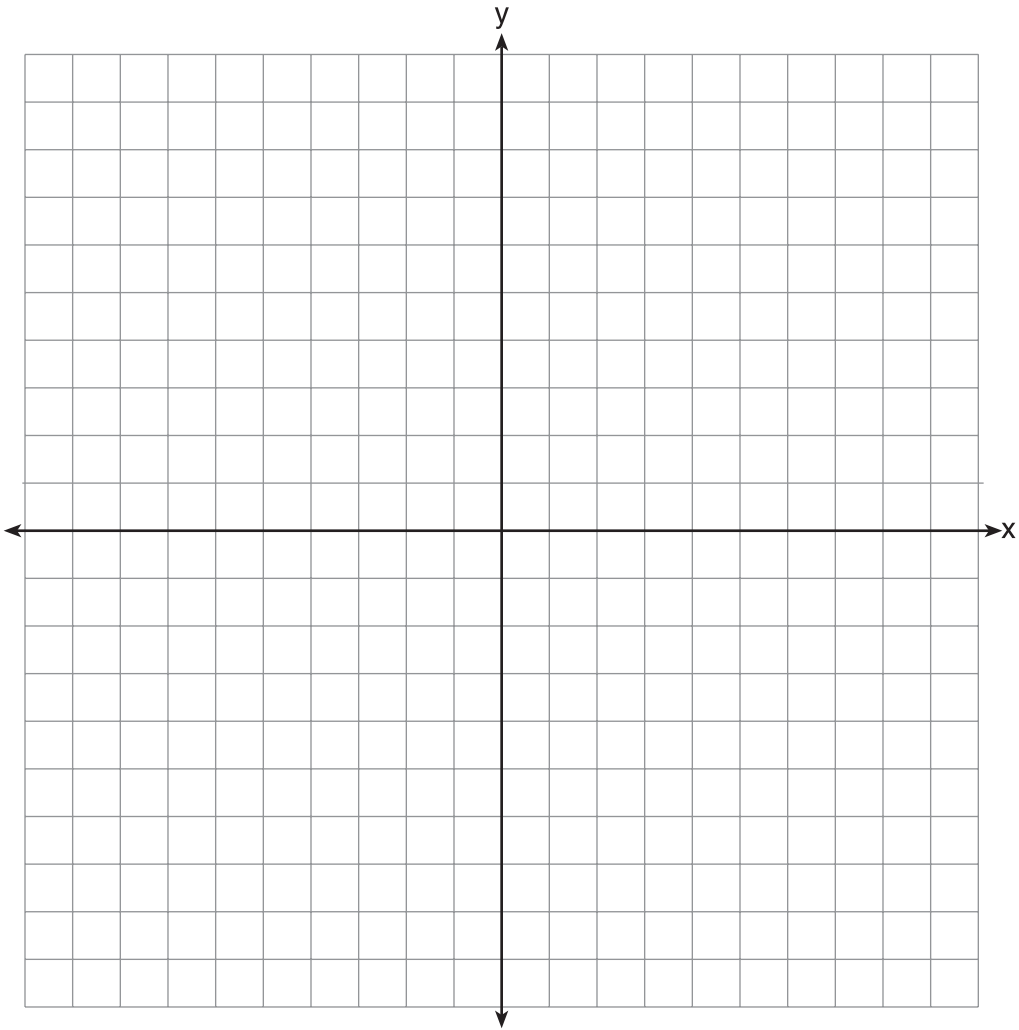
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x

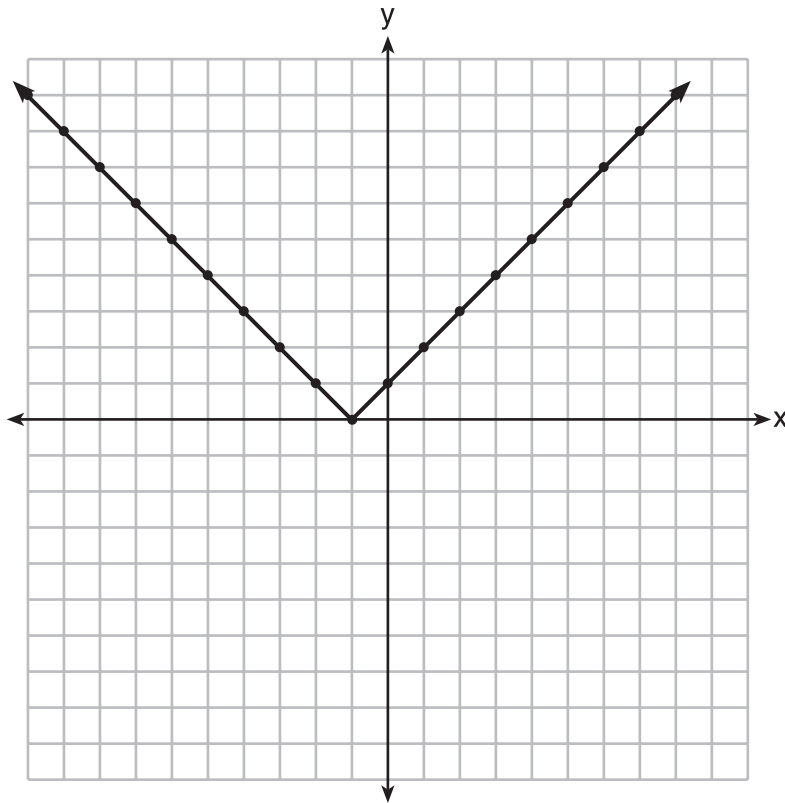
y

$$y = |x + |$$



$$y \geq -\infty, \{y | y \geq -\infty\}$$

$$x > -1, (-1, \infty), \{x | x > -1\}$$



not

must

$$y \geq -\infty, y | y \geq$$

|

or

c

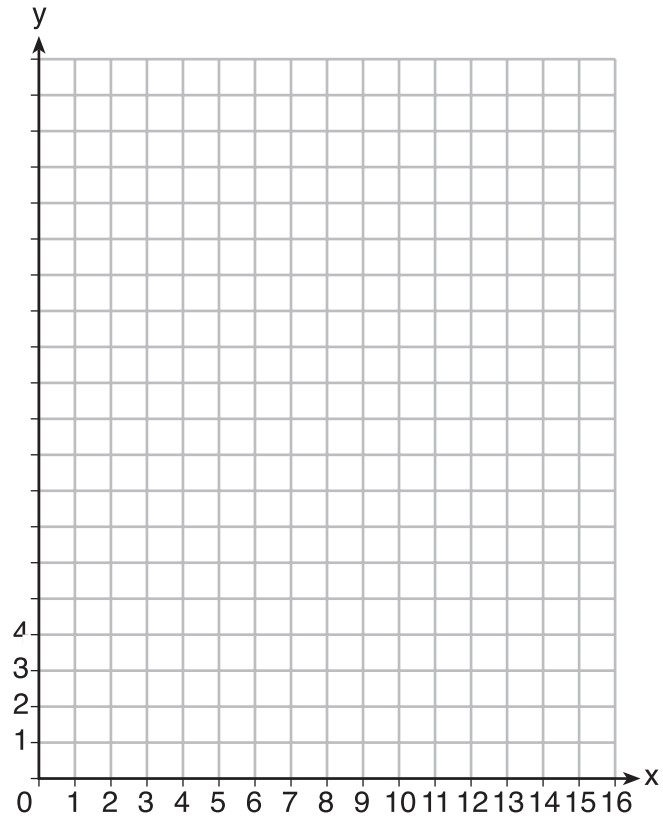
$c \ x$

x

x

$$c \ x = \begin{matrix} x & \leq x \leq \\ x & x \geq \end{matrix}$$

c



or

or

or

or

or

y

x

$$y = ()^x,$$

$$y = ax + b$$

nearest hundredth

Tutor Hours, x	Raw Test Score	Residual (Actual – Predicted)
1	30	1.3
2	37	1.9
3	35	-6.4
4	47	-0.7
5	56	2.0
6	67	6.6
7	62	-4.7

Residual



y x

$$y \quad x \quad y \quad x$$

$$y = x$$

$$y = x +$$

$$x = x +$$
$$- x - x$$

$$\frac{x}{x} = \frac{x}{x}$$

$$x =$$

$$y \quad () =$$
$$y \quad () + =$$

$$y = x \quad y = x +$$

or

or

or

or

or

or

or