Calculus I	**Name:** _____
Study Guide 0	**Class:** _____
Due Date: _____	**Score:** _____

No Work $\Leftrightarrow$ No Points

Use Pencil Only $\Leftrightarrow$ Be Neat & Organized

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1. (2 points) Evaluate $\sqrt{b^2 - 4ac}$ for $a = 5$, $b = 2$, and $c = -3$.

1. _____

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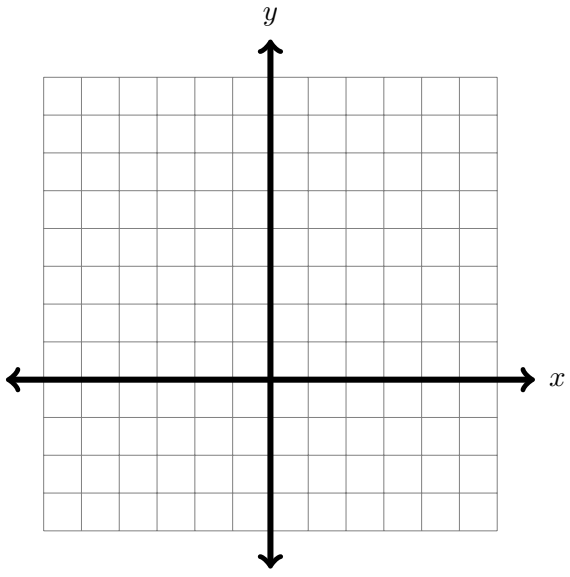
2. (3 points) Draw a line that contains $A(3, -2)$ and $B(-3, 6)$. Show the rise and run of its slope.



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3. (2 points) Solve: $2(x - 3) - 4 = -10$

3. _____

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4. Simplify:

(a) (2 points) $(2x-3)(2x+3)$

(a) _____

(b) (2 points) $(x+5)^2$

(b) _____

(c) (2 points) $(-4x^2)^3$

(c) _____

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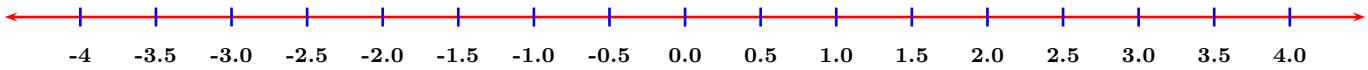
5. (3 points) Graph the solution, and express your final answer in interval notation: $|x-2|<1$



5. _____

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6. Factor completely:

(a) (3 points) $4x^2+20x$

(a) _____

(b) (3 points) $4x^2-81$

(b) _____

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7. (3 points) Solve: $x^2-4x-45=0$ **by factoring method.**

7. _____
