Algebra Pre-Test

Name: _____   **Teacher(s):** _____

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1) What is the slope of the line that passes through (0, 0) and (4, 2)?

    a) ¼   b) undefined   c) ½   d) 1

How confident are you of your answer?

- [ ] 1: Not at all confident
- [ ] 2: Not confident
- [ ] 3: Somewhat confident
- [ ] 4: Confident
- [ ] 5: Very confident

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2) Find the slope of the line that passes through (3, 4) and (-4, -3).

    a) ¼   b) undefined   c) ½   d) 1

How confident are you of your answer?

- [ ] 1: Not at all confident
- [ ] 2: Not confident
- [ ] 3: Somewhat confident
- [ ] 4: Confident
- [ ] 5: Very confident

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3) A line passes through (-1, 2) and (1, 4). Determine the Y axis intercept?

    a) 3   b) 0   c) -1   d) 4

How confident are you of your answer?

- [ ] 1: Not at all confident
- [ ] 2: Not confident
- [ ] 3: Somewhat confident
- [ ] 4: Confident
- [ ] 5: Very confident

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4) Do the points (4, 3), (2, 0) and (-18, -12) lie on the same straight line?

    a) Yes   b) No   c) undefined

How confident are you of your answer?

- [ ] 1: Not at all confident
- [ ] 2: Not confident
- [ ] 3: Somewhat confident
- [ ] 4: Confident
- [ ] 5: Very confident

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5) Solve using the addition method:

$$x + y = 4$$
$$x - y = 2$$

    a) (-1, 5)   b) (5, 3)   c) (2, 2)   d) (3, 1)

How confident are you of your answer?

- [ ] 1: Not at all confident
- [ ] 2: Not confident
- [ ] 3: Somewhat confident
- [ ] 4: Confident
- [ ] 5: Very confident