| Quiz/Test DATE: | | Today's Section: |
|---|---|---|

# Algebra I 100pt Daily Path to Success

| Full Student Name: | 1/2   5/6   7/8 | Date: | |
|---|---|---|---|

## Opening Checklist (15 points)                                                          Initials

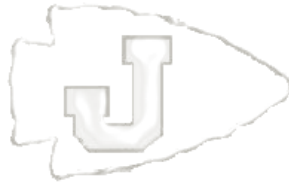| | | |
|---|---|---|
| 1.  I had my math notes folder and daily papers ON MY DESK by the time class began. | /5 | |
| 2.  I had been using a SHARPENED pencil by the time class began. | /5 | |
| 3.  I had FINISHED copying the objective and had STARTED defining the Word of the Day by the time class began. | /5 | |

## Do Now (10 points) – Copy the Objective and define the Word of the Day.                Initials

Obj:

Word of
the Day
& Defn:



| | /10 | |

## Skill Review (10 points) – Show ALL work necessary.                                    Initials

| | /10 | |

## Notes (20 points)                                                                      Initials

| Completed Notes Page/Activity | /10 | |
|---|---|---|
| Earned the Appropriate Number of Teacher Checkmarks | /10 | |

## Exit Ticket (10 points) – Complete INDEPENDENTLY and SILENTLY.                          Initials

| | /10 | |

Find the slope of the linear relationship.  Determine if the relationship is direct variation.  If so, identify the **constant of variation** and write the direct variation equation.
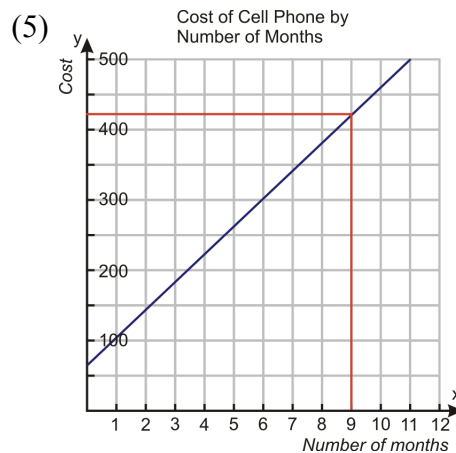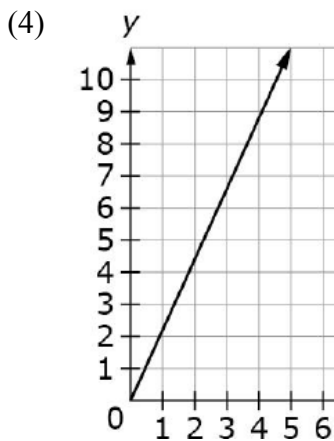
(1)

| X | Y |
|---|---|
| 4 | 6 |
| 8 | 12 |
| 12 | 18 |
| 18 | 27 |

(2)

| Hours | Pay ($) |
|-------|---------|
| 2 | 12 |
| 5 | 30 |
| 7 | 42 |
| 11 | 66 |

(3)

| $x$ | $y$ |
|-----|-----|
| 0 | 3 |
| 1 | 8 |
| 2 | 13 |
| 3 | 18 |
| 4 | 23 |

(4) 

(5) 

Cost of Cell Phone by Number of Months

(6) 

Cost of Bananas

Define your variables.  Write a direct variation equation given the relationship.

(7)  Nina spends $8 on 4 cookies.  Write a direct variation equation for the price per cookie.  How much would 10 cookies cost?

(8)  Georgia writes in a journal daily.  After 1 week, she has written 21 pages.  Write a direct variation equation for how many pages Georgia has written depending on the number of days.  How many pages would she have written after 12 days?

(9)  Christine eats 3 bags of chips which means she has consumed 300 calories from chips.  Write a direct variation equation for how many calories Christine consumes from chips.  How many calories would she consume if she ate 5 bags?