# College and Career Readiness Mathematics 

## Scoring Rubric <br> (Draft)

| Short Tasks |  |  |
| :---: | :---: | :---: |
| Q | Answer | Points |
| 1 | 33 | 1 |
| 2 | $x=-4$ and $x=+1$ | 1 |
|  | Inverted parabola offset to the left to approximately match the zeros: | 1 |
| 3 | -3 | 1 |
| 4 |  | 1 |
| 5 | $x^{2}+y^{2}-4 x-2 y-20=0$ | 1 |
| Total |  | 6 |


| Sale! | Rubric |  |
| :--- | :--- | :--- |
|  | Points | Section <br> points |
| 1.Gives correct answer Two for the price of one. <br> Gives correct explanations such as: <br> If the original price of one item is $\$ 100$, then <br> Two for the price of one means that each item costs $\$ 50$ <br> or $50 \%$ of the original price <br> Buy one and get $25 \%$ off the second means that each item costs $\$ 87.50$ <br> or $87.5 \%$ of the original price <br> Buy two and get $50 \%$ off the second means that each item costs $\$ 75$ <br> or $75 \%$ of the original price | 2 |  |
| Three for the price of two means that each item costs $\$ 66.67$ <br> or $66.7 \%$ of the original price | 4 | 2 |
| Gives correct answer: Buy one and get $25 \%$ off the second <br> Gives correct explanations such as: <br> Two for the price of one means that each item is reduced by $\$ 50$ <br> or $50 \%$ of the original price <br> Buy one and get $25 \%$ off the second means each item is reduced by $\$ 12.50$ <br> or $12.5 \%$ of the original price <br> Buy two and get $50 \%$ off the second means that each item is reduced by $\$ 25$ <br> or $25 \%$ of the original price <br> Three for the price of two means that each item is reduced by $\$ 33.33$ <br> or $33.3 \%$ of the original price | 2 |  |


| Functions |  | Rubric |  |
| :---: | :---: | :---: | :---: |
|  |  | Points | Section points |
| 1. Gives correct answers: $(\mathbf{2}, \mathbf{9}),(\mathbf{3}, \mathbf{7}),(\mathbf{4}, \mathbf{5}),(\mathbf{5}, \mathbf{3})$ <br> Draws a correct line on the grid |  | $1$ $1$ | 2 |
| 2. Gives correct answer: $\mathbf{y}=\mathbf{1 3} \mathbf{- 2 x}$ <br> Partial credit <br> For a partially correct answer. <br> Shows correct work such as: <br> The line has slope -2 and cuts the $y$ axis at 13 |  | 2 <br> (1) <br> 1 | 3 |
| 3. Gives correct answers: $(\mathbf{1}, \mathbf{5}),(\mathbf{2}, \mathbf{8}),(\mathbf{3}, \mathbf{9}),(\mathbf{4}, \mathbf{8})$ <br> Draws a correct curved graph |  | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | 2 |
| 4. Gives correct answer: $\mathbf{y}=\mathbf{6 x}-\mathbf{x}^{2}$ <br> Partial credit <br> Expression $6 x-x^{2}$ <br> Shows some correct work |  | $2$ <br> (1) <br> 1 | 3 |
|  | Total Points |  | 10 |


| Proofs of the Pythagorean Theorem | Rubric |  |
| :--- | :--- | :--- |
|  | Points | Section <br> points |
| Gives correct answer: The best proof is attempt number 2. | 3 |  |
| Explains that attempt number 2 works for any size of right triangle. | 2 | 2 |
| Explains that attempt number 1 only shows that the theorem works for a 3, <br> 4,5 triangle. | 2 | 10 |
| Explains that attempt number 3 only shows that the theorem works for <br> isosceles right triangles. | Total Points |  |

