**CCSS Algebra 1**

**Formative B ANSWER KEY [30 points total]**

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| **Answer** | **Standard(s)** |
| 1. C | A-CED.A.1 |
| 1. A | F-IF.B.6, F-IF.A.3 |
| 1. B | A-CED.A.3 |
| 1. B | F-IF.A.1 |
| 1. A | A-CED.A.4 |
| 1. D | F-BF.B.3 |
| 1. D | A-REI.C.6, A-REI.D.11 |
| 1. A | F-LE.B.5 |
| 1. A | F-IF.C.9, F-IF.B.6 |
| 1. C | A-SSE.1a |
| 1. C | S-ID.C.9 |
| 1. B | A-REI.D.12 |
| 1. 6 | A-REI.B.3 |
| 1. 2 | S-ID.B.6b |
| Each constructed response is worth 8 points total; 2 points per letter. One point for the correct response and a second point for a solid justification. |  |
| 1. [8 points total]   a. The two functions are linear because they have a constant rate of change.  b. The Miller’s is 60 mph and the Jones’ is 55mph. The slope for the Miller’s means that they travel 60 miles per 1 hour. The slope for the Jones’ means that they travel 55 miles per 1 hour.  c. The x intercept for the Millers is Meaning that at 0.833 of an hour or 50 minutes, the Miller’s will be at the same distance the Jones’ started from. The Miller’s y intercept is (0,-50) meaning they started 50 miles behind the Jones’. The Jones’s x and y intercept is . This means that if no time has passed the Jones’ have not traveled anywhere.  d. They will be 550 miles into the trip when they meet up. To Justify plug the ordered pair into both equations to show equality. | A-CED.A.1  F-LE.A.1a  F-IF.B.6  F-LE.A.1a  F-LE.B.5  A-REI.C.6 |

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| 1. [8 points total]   a.  b. 2006  c. No, the cost of the online school would be negative so it would not be an appropriate equation.  d. Traditional College– domain [0, ∞) Range [3.8, ∞)  [2000, ∞)  Online College – domain [0, 18.75] Range [7.5,0]  [2000, in 2018] | A-REI.D.11,  A-CED.A.3,  A-CED.A.2  F-IF.B.5 |