| New Question Type Samplers - Algebra 1 Answer Key |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Item Position | Item Type | TEKS Alignment | Maximum Number of Points | Correct Answer(s) |
| 1 | Equation Editor | 1.A.11.B | 1 | $\frac{x^{5} z^{5}}{y}$ |
| 2 | Equation Editor | 4.A.6.B | 1 | $x^{2}+8 x-2$ |
| 3 | Equation Editor | 3.A.5.A | 1 | 7 |
| 4 | Equation Editor | 2.A.3.B | 1 | 7 |
| 5 | Graphing | 5.A.9.D | 1 | Graph that includes $(0,6)$, $(-1,9),(1,4)$ and an asymptote of $y=0$ |
| 6 | Graphing | 4.A.7.C | 1 | Graph that includes (1, 0), (5, 0) and (3, 4) |
| 7 | Graphing | 4.A.7.A | 1 | Graph of the line $x=-2$ |
| 8 | Graphing | 2.A.3.C | 1 | Any two points on the line $y=\frac{3}{5} x-3$ |
| 9 | Graphing | 2.A.3.H | 2 | Graph 1: dashed line with <br> $y$-intercept of $(0,4)$ and includes points $(4,1)$ and $(-4,7)$ <br> Graph 2: dashed line with $y$-intercept of $(0,-5)$ and includes points $(2,-2)$ and $(4,1)$ <br> Area to the right, containing point $(5,1)$ is shaded |
| 10 | Graphing | 2.A.3.D | 2 | Graph of the line that includes $(0,5)$ and $(6,0)$. Area to the lower left that contains the point $(0,0)$ is shaded |
| 11 | Number Line | 3.A.5.B | 2 | Ray that has a closed circle and points left with an endpoint of 3 |
| 12 | Number Line | 3.A.5.B | 2 | Ray that has an open circle and points right with an endpoint of 2 |
| 13 | Inline Choice | 4.A.7.A | 2 | Maximum and 4 |
| 14 | Inline Choice | 5.A.9.B | 2 | $\begin{gathered} 575,000 \\ \text { Increasing } \\ 40 \% \\ \hline \end{gathered}$ |
| 15 | Hot Spot | 2.A.3.D | 2 | $\begin{aligned} & (-2,4) \\ & (4,-1) \end{aligned}$ |
| 16 | Hot Spot | 4.A.7.A | 2 | $\begin{gathered} (-6,0) \\ (2,0) \end{gathered}$ |
| 17 | Drag and Drop | 1.A.10.E | 2 | Completes the expression $\begin{gathered} 2(x-4)(x-3) \text { OR } \\ 2(x-3)(x-4) \end{gathered}$ |


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| :---: | :---: | :---: | :---: | :---: |
| 18 | Drag and <br> Drop | 3.A.2.G | 2 | $y=2$ <br> 0 |
| 19 | Match Table <br> Grid | 1.A.12.A | 2 | Row 1: function <br> Row 2: not a function <br> Row 3: function |
| 20 | Match Table <br> Grid | 2.A.4.B | 2 | Row 1: Both <br> Row 2: Association <br> Row 3: Both |
| 21 | Multiselect | 4.A.6.A | 2 | C: Domain: all real numbers <br> E: Range: $y \geq-8$ |
| 22 | Multiselect | 2.A.3.E | 2 | A: The graph of $f$ is steeper than the graph of $g$. <br> C: To create $g, f$ is translated 4 units to the left. <br> E: The $x$-intercept of $g$ is 4 units to the left of the <br> $x$-intercept of $f$. |

