

## New Question Type Samplers — Grade 8 Math Answer Key

| Item Position | Item Type        | TEKS Alignment | Maximum Number of Points | Correct Answer(s)  |
|---------------|------------------|----------------|--------------------------|--|
| 1             | Equation Editor  | 2.8.8.A        | 1                        | 2.25, 1.5, 9<br>$2.25x > 1.5x + 9$   |
| 2             | Equation Editor  | 2.8.5.I        | 1                        | $C = 10.50h + 76.50$   |
| 3             | Equation Editor  | 4.8.12.D       | 1                        | 1,462.50   |
| 4             | Equation Editor  | 3.8.7.C        | 1                        | 17   |
| 5             | Graphing         | 2.8.4.B        | 1                        | Any 2 points that would be on the line $y = 0.4x$<br>such as (5, 2) and (10, 4)                      |
| 6             | Graphing         | 2.8.5.B        | 1                        | Any 2 points that would be on the line $y = \frac{1}{2}x - 5$<br>such as (0, -5) and (2, -4)         |
| 7             | Inline Choice    | 4.8.11.A       | 2                        | Increase, positive, linear   |
| 8             | Inline Choice    | 3.8.10.A       | 2                        | Not equal, congruent   |
| 9             | Hot Spot         | 2.8.5.F        | 2                        | (0, 0) and (6, 9)  |
| 10            | Hot Spot         | 1.8.2.B        | 2                        | 4 and 5  |
| 11            | Drag and Drop    | 1.8.2.D        | 1                        | $-2, -6.25, \frac{67}{10}, 3, 5, 6\frac{3}{4}$   |
| 12            | Drag and Drop    | 3.8.10.C       | 2                        | $x - 8$ and $y + 4$  |
| 13            | Match Table Grid | 3.8.10.A       | 2                        | Dilation: orientation of the vertices<br>Reflection: side lengths                                    |
| 14            | Match Table Grid | 1.8.2.A        | 2                        | 3: irrational number<br>9: rational number   |
| 15            | Multiselect      | 3.8.10.B       | 2                        | B: ( , ) ( +7, - 8)<br>D: A reflection of the triangle across the x-axis.                            |
| 16            | Multiselect      | 2.8.5.G        | 2                        | D: {(0,0), (-1, -0.5), (-2, -1),<br>(-3, -1.5), (-4, -2)}<br>E: {(0,0), (1,3), (2,6), (3,9), (4,12)} |