1. **Transformations**
2. I CAN explain the effect of replacing **y = x2** by **y = x2 + a**.
3. I CAN explain the effect of replacing **y = x2** by **y = x2 - a**.
4. I CAN explain the effect of replacing **y = x2** by **y = (x + a)2**.
5. I CAN explain the effect of replacing **y = x2** by **y = (x - a)2**.
6. I CAN explain the effect of replacing **y = x2** by **y = -x2**.
7. I CAN explain the effect of replacing **y = x2** by **y = (-x)2**.
8. I CAN explain the effect of replacing **y = x2** by **y = ax2**, where a is greater than 1.
9. I CAN explain the effect of replacing **y = x2** by **y = ax2**, where a is between 0 and 1.
10. I CAN explain the effect of replacing **y = x2** by **y = (ax)2**, where a is greater than 1.
11. I CAN explain the effect of replacing **y = x2** by **y = (ax)2**, where a is between 0 and 1.
12. **Converting between the Forms**
13. I CAN change a quadratic from vertex form to standard form.
14. I CAN change a quadratic from intercept form to standard form.
15. I CAN change a quadratic from standard form to vertex form.
16. I CAN change a quadratic from standard form to intercept form.
17. **Characteristics**
18. I CAN identify the vertex of a quadratic by looking at a graph.
19. I CAN identify the vertex of a quadratic by looking at an equation in standard form.
20. I CAN identify the vertex of a quadratic by looking at an equation in vertex form.
21. I CAN identify the vertex of a quadratic by looking at an equation in intercept form.
22. I CAN identify the vertex of a quadratic by looking at a table.
23. I CAN identify the axis of symmetry of a quadratic by looking at a graph.
24. I CAN identify the axis of symmetry of a quadratic by looking at an equation in standard form.
25. I CAN identify the axis of symmetry of a quadratic by looking at an equation in vertex form.
26. I CAN identify the axis of symmetry of a quadratic by looking at an equation in intercept form.
27. I CAN identify the axis of symmetry of a quadratic by looking at a table.
28. I CAN identify the extrema of a quadratic by looking at a graph.
29. I CAN identify the extrema of a quadratic by looking at an equation in standard form.
30. I CAN identify the extrema of a quadratic by looking at an equation in vertex form.
31. I CAN identify the extrema of a quadratic by looking at an equation in intercept form.
32. I CAN identify the extrema of a quadratic by looking at a table.
33. I CAN identify the y-intercept of a quadratic by looking at a graph.
34. I CAN identify the y-intercept of a quadratic by looking at an equation in standard form.
35. I CAN identify the y-intercept of a quadratic by looking at an equation in vertex form.
36. I CAN identify the y-intercept of a quadratic by looking at an equation in intercept form.
37. I CAN identify the y-intercept of a quadratic by looking at a table.
38. I CAN identify the average rate of change of a quadratic by looking at a graph.
39. I CAN identify the average rate of change of a quadratic by looking at an equation.
40. I CAN identify the average rate of change of a quadratic by looking at table.
41. I CAN identify the intervals of increase and decrease of a quadratic by looking at a graph.
42. I CAN identify the end behavior of a quadratic by looking at a graph.
43. I CAN identify the x-intercept of a quadratic by looking at a graph.
44. I CAN identify the x-intercept of a quadratic by looking at an equation in standard form.
45. I CAN identify the x-intercept of a quadratic by looking at an equation in vertex form.
46. I CAN identify the x-intercept of a quadratic by looking at an equation in intercept form.
47. I CAN identify the x-intercept of a quadratic by looking at a table.
48. I CAN identify the zeros of a quadratic by looking at a graph.
49. I CAN identify the zeros of a quadratic by looking at an equation in standard form.
50. I CAN identify the zeros of a quadratic by looking at an equation in vertex form.
51. I CAN identify the zeros of a quadratic by looking at an equation in intercept form.
52. I CAN identify the zeros of a quadratic by looking at a table.
53. **Solving Quadratics**
54. I CAN solve a quadratic by graphing.
55. I CAN solve a quadratic by taking a square root.
56. I CAN solve a quadratic by factoring.
57. I CAN solve a quadratic by using the quadratic formula.
58. **Graphing**
59. I CAN sketch the graph of a quadratic in standard form, by hand.
60. I CAN sketch the graph of a quadratic in vertex form, by hand.
61. I CAN sketch the graph of a quadratic in intercept form, by hand.
62. **Application**
63. I CAN identify the maximum or minimum height that an object reaches.
64. I CAN identify the time at which an object reaches its maximum or minimum height.
65. I CAN identify the time at which an object remains in the air (and the time that an object will hit the ground).
66. I CAN identify the height of an object at a certain time.
67. I CAN identify the time at which an object reaches a certain height.