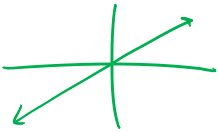
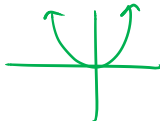
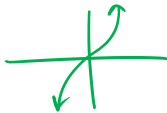
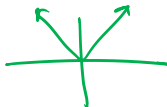


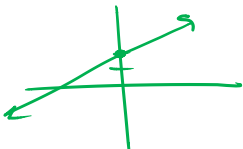



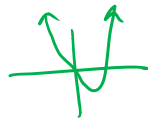
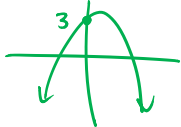
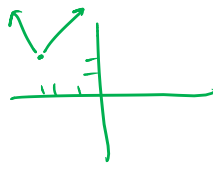
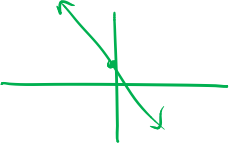
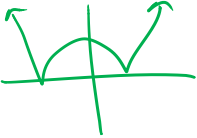
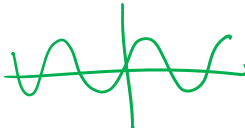
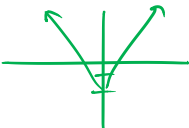
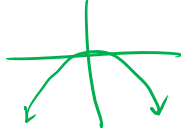
REVIEW WS DOMAIN AND RANGE

Name: KEY

Date: _____ Period: _____

Graph each of the following equations on your calculator. Then draw a sketch of the graph and determine its domain and range.

| EQUATION | SKETCH | DOMAIN | RANGE |
|---------------------------|---|--------------------|-------------------|
| 1. $y = x$ |  | \mathbb{R} | \mathbb{R} |
| 2. $y = x^2$ |  | \mathbb{R} | $y \geq 0$ |
| 3. $y = x^3$ |  | \mathbb{R} | \mathbb{R} |
| 4. $y = x $ |  | \mathbb{R} | $y \geq 0$ |
| 5. $y = \sqrt{x}$ |  | $x \geq 0$ | $y \geq 0$ |
| 6. $y = 4$ |  | \mathbb{R} | $y = 4$ |
| 7. $y = \frac{1}{4}x + 2$ |  | \mathbb{R} | \mathbb{R} |
| 8. $y = \sqrt{1-x^2}$ |  | $-1 \leq x \leq 1$ | $0 \leq y \leq 1$ |

| EQUATION | SKETCH | DOMAIN | RANGE |
|--------------------------|---|--------------|--------------------|
| 9. $y = x^4 - 4x$ |  | \mathbb{R} | $y \geq -3$ |
| 10. $y = -2x^2 + 4x + 3$ |  | \mathbb{R} | $y \leq 5$ |
| 11. $y = x + 3 + 2$ |  | \mathbb{R} | $y \geq 2$ |
| 12. $y = -5x + 1$ |  | \mathbb{R} | \mathbb{R} |
| 13. $y = x^2 - 4 $ |  | \mathbb{R} | $y \geq 0$ |
| 14. $y = 3 \sin x$ |  | \mathbb{R} | $-3 \leq y \leq 3$ |
| 15. $y = x - 2$ |  | \mathbb{R} | $y \geq -2$ |
| 16. $y = -.5x^2$ |  | \mathbb{R} | $y \leq 0$ |