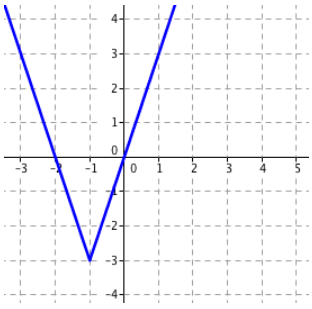
# Domain and Range WKST

I. State the domain and range. For odds use *interval* notation. For evens use *set* notation.

1.



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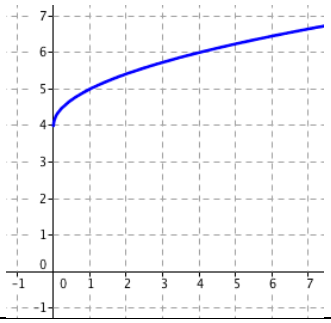

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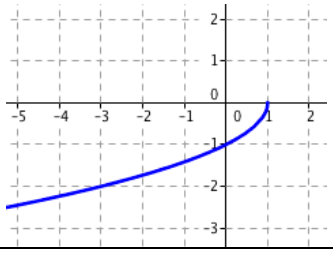

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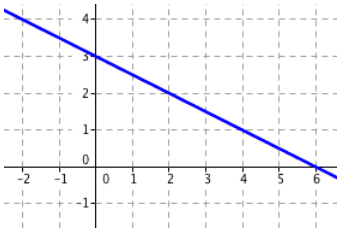

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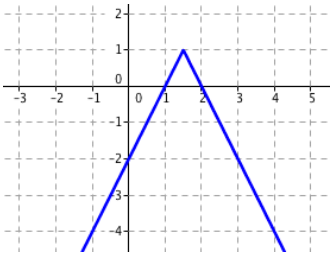

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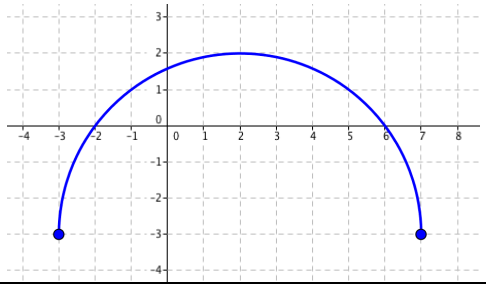

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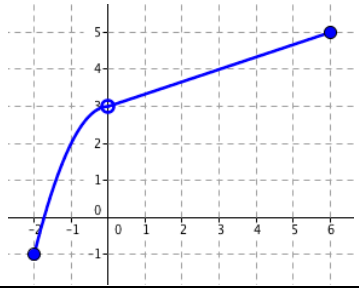

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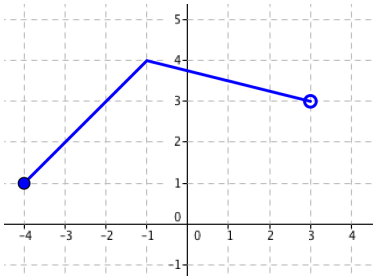


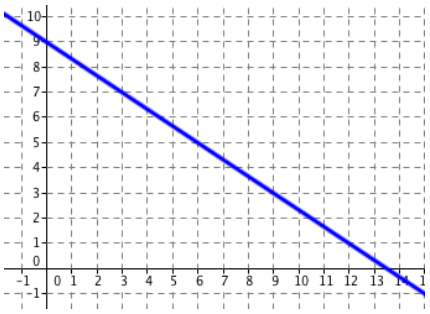
II. Sketch each graph, then state the domain and range. For odds use *interval* notation. For evens use *set* notation.

| | | | |
|---|---|---|---|
| 9. $y=-\frac{2}{3}x+9$ | 10. $y=-\lvert x+6\rvert-1$ | 11. $y=x^2$ | 12. $y=7$ |

## ANSWERS

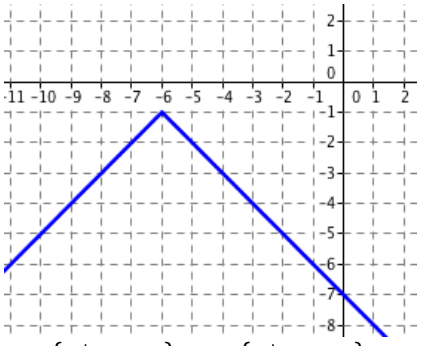
1. D: $(-\infty,\infty)$, R: $[-3,\infty)$
2. D: $\{x|x\geq 0\}$, R: $\{y|y\geq 4\}$
3. D: $(-\infty,1]$, R: $(-\infty,0]$
4. D: $\{x|x\in R\}$, R: $\{y|y\in R\}$
5. D: $(-\infty,\infty)$, R: $(-\infty,1]$
6. D: $\{x|-3\leq x\leq 7\}$, R: $\{y|-3\leq y\leq 2\}$
7. D: $[-2,0)\cup(0,6]$, R: $[-1,3)\cup(3,5]$
8. D: $\{x|-4\leq x<3\}$, R: $\{y|1\leq y\leq 4\}$

9.



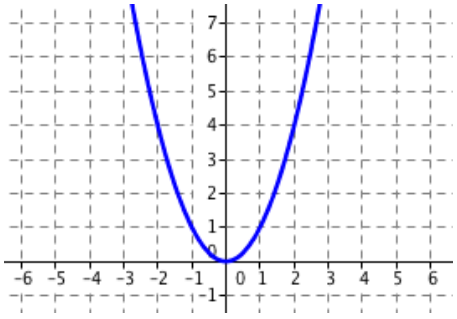
D: $(-\infty,\infty)$, R: $(-\infty,\infty)$

10.



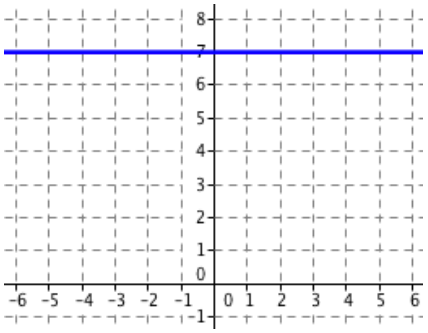
D: $\{x|x\in R\}$, R: $\{y|y\leq -1\}$

11.



D: $(-\infty,\infty)$, R: $[0,\infty)$

12.



D: $\{x|x\in R\}$, R: $\{y|y=7\}$