Algebraic Reasoning
Name:_____

Per:_____

POINTS:____

Classwork #25 Quiz

Be sure to include your work when appropriate.

Identify the endpoint of each function

1. f(x) = $\sqrt{x-2}$

2. f(x) = - $\sqrt{x+5}$ + 3

3. Using graphs and tables, verify whether or not $f(x) = x^2 + 2$ and $g(x) = \sqrt{x-2}$ are inverses, if the domain of $f(x)$ is restricted to $\{x \mid x \geq 0\}$, including checking the domain restrictions.

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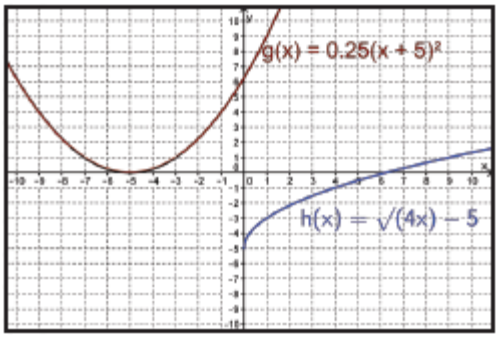
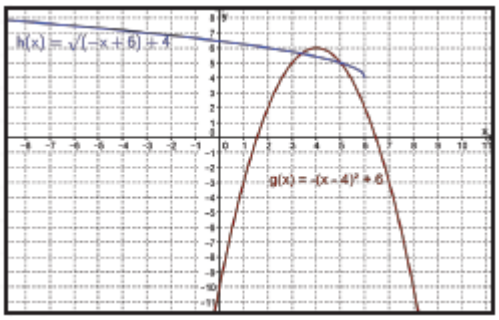
Compare the domain and range as well as any intercepts, if they exist, of the functions graphed below. Write domain and range as inequalities, intervals, or in set builder notation.

4.



5.



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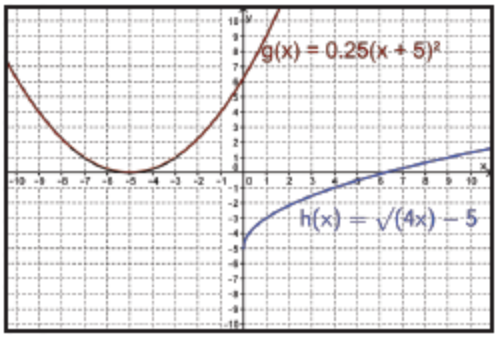

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