

***“Goal setting is like going through life. If you succeed people will talk about you, if you fail people will talk about you. So have people talk about you while you touch the sky”  
– Bryce Kamagate***

Monday: Simply the following:

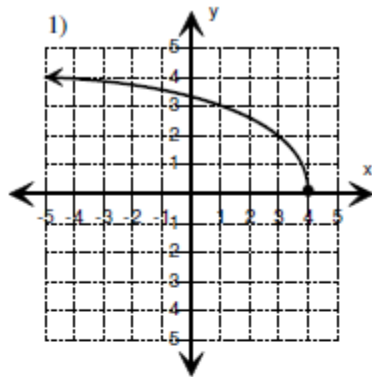
$\frac{3}{x+2} - \frac{9}{x-1}$	$\frac{3x}{x^2-9} + \frac{4}{x-3}$
$\frac{3}{x+5} + \frac{5}{x+3}$	$\frac{4x}{x^2-25} - \frac{8}{x+5}$

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Tuesday:

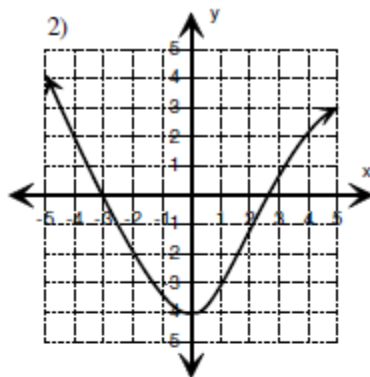
1. Factor:  $36x^2 - 25$
2. Factor:  $2x^2 + 5x + 2$
3. Factor by grouping:  $9x^3 - 3x^2 + 15x - 5$
4. Factor by grouping:  $x^3 - 4x^2 + 5x - 20$
5. Factor by grouping:  $5h^2 - 10hk + 5hr - 10kr$

Wednesday:



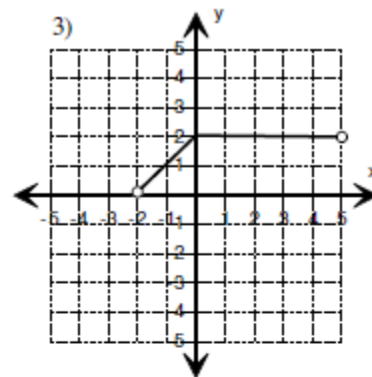
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Range : \_\_\_\_\_



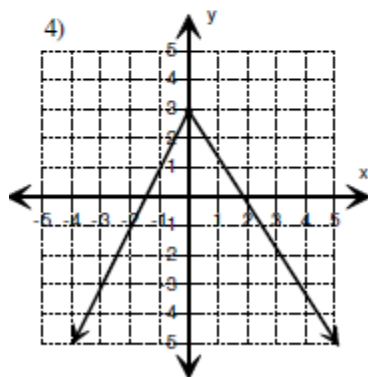
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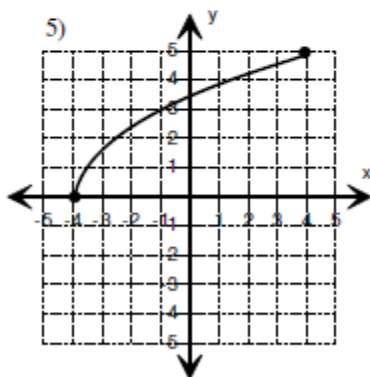
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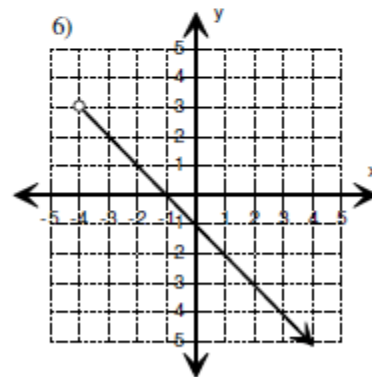
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Domain : \_\_\_\_\_

Range : \_\_\_\_\_



Domain : \_\_\_\_\_

Range : \_\_\_\_\_

Thursday:

1. Find the inverse of the following function:

$$f(x) = x^2 + 8$$

2. Find the inverse of the following function:

$$y = \sqrt{x - 9}$$

3. Find the inverse of the following:

$$f(x) = \frac{4x + 3}{11}$$

4. Find the inverse of the following:

$$f(x) = x^3 - 14$$