

1. $\sum_{n=1}^6 5 - n^2$	2. 47,41,35,29,... Find a_{24}	3. Simplify $\frac{2-5i}{3+5i}$
4. Find all the solutions $4x^3 = 4x^2 - 20x$	5. Solve $4 3 - x + 2 = 10$	6. Solve $ 2x - 7 \geq 5$
7. Solve $13 > x - 3 + 8$	8. Find x-y $2x - 5y = 18$ $3x + 2y = 8$	9. y varies inversely as x. If $y=3$ when $x= -4$ find x when $y=-2$

Final Review #1

<p>10. Find σ. 22,25,29,32</p> <p>Skip this one!</p>	<p>11. Simplify $\left(\frac{2a^{-4}c^7d^2}{3a^5cd^{-2}}\right)^{-3}$</p>	<p>12. Simplify $\frac{\frac{x^3-x}{x^2-x-6}}{\frac{x^2+4x+3}{x^2-9}}$</p>
<p>13. Simplify $\frac{1+\frac{1}{x}}{1-\frac{1}{x}}$</p>	<p>14. Evaluate $\begin{vmatrix} 4 & 5 \\ 3 & -1 \end{vmatrix}$</p>	<p>15. In standard form, write the eqn of the line \perp to $3x-2y=5$ that goes through $(4,-3)$</p>
<p>16. Find $f^{-1}(x)$ if $f(x) = \frac{1}{2}x + 3$</p>	<p>17. Solve $2 + 3^{x-1} = 15$</p>	<p>18. Write as a single log $2 \log_x w - \log_x 5 - \log_x y$</p> <hr/> <p>19. Put in logarithmic form $7^2 = 49$</p>

10. $\sigma=3.8$ 11. $\frac{27a^{27}}{8c^{18}d^{12}}$ 12. $\frac{x(x-1)}{x+2}$ $x \neq \pm 3, -1, -2$ 13. $\frac{x+1}{x-1}$; $x \neq 0, 1$ 14. -19 15. $2x + 3y = -1$ 16. $f^{-1} = 2(x - 3)$ 17. 3.33 18. $\log_x\left(\frac{w^2}{5y}\right)$ 19. $\log_7 49 = 2$