1) $y = \dfrac{kx^2}{w}$

2) $(-\infty, 2]$

3) $F(x+1) = \dfrac{x+1}{2x}$

4) $f(x) = x^4 - 5x^2 + 4$

5) The value is between -300 and -250. (-295)

6) $2x^2 - 4x + 1$

7) I only

8) The range of f^{-1} is $(-\infty, 2]$.

9) I and II only

10) The amount was at least \$375, but less than \$450. (\$388.94)

11) $r = -3$

12) $u = 2818.38, \ w = 4.77$

13) 0.8

14) $\ln\left(\dfrac{y^5}{x^2 \sqrt[3]{z}}\right)$

15) $\log_b\left(\dfrac{s}{r}\right) = 0.6129, \quad \log_b r^3 = 4.7550$