

1. $B = \frac{Q(G+C)-R}{-M}$ $-M, Q \neq 0$ 2. $T = \frac{Z+H}{E} - NK$ OR $T = \frac{Z+H-ENK}{E}$ $E \neq 0$
3. $W = \frac{B+YG}{N-X}$ $N-X \neq 0$ or $N \neq X$ OR $W = \frac{-YG-B}{X-N}$ $X-N \neq 0$ or $X \neq N$
4. $C = H(P+R)^3 - V$ $H \neq 0$
5. Yes 6. No 7. Yes 8. No 9. Domain: $\{2, 4, 11, 19\}$ Range: $\{-6, -3, -2\}$
10. a) Domain: $(-\infty, -2] \cup [2, \infty)$ Range: $[-2, \infty)$ b) Domain: $(-\infty, 4]$ Range: $(-4, -2] \cup [-1, \infty)$
11. -1 12. 33 13. 77
14. $\frac{3x+4}{x+2}$ 15. $4x^2 - 12x + 33$ 16. $x^2 + 9x + 25$
- 17 a) $y = -(3/2)|x-1| + 5$ b) $y = 2|x+3| - 4$