

1. $x^3 + 2x^2 - 2x + 1$

2. $\frac{6}{5}$ or $\frac{6}{5}, 0$

3. $(f - g)(-3) = -4$

4. $-$, $-\frac{11}{13}$

5. $y = -\frac{1}{3}x - 5$

6. (a) $h(-2) = -\frac{3}{2}$

(b) $h(3a) = \frac{18a^2 + 1}{3a - 4}$

7. $-1, \frac{3}{2}$

8. (a) $9x^2 - 12xy + 4y^2$

(b) $2a^2 - ab - 15b^2$

9. amount of 35% = 47.2 grams
amount of 60% = 70.8 grams

10. (a) $V(t) = -1875t + 19375$

(b) 7 years