

1. b. $Y = 2X - 3$, c. 233, d. 234
2. a. $Y = 7 - 2X$, b. $Y = 7$, c. $X = 3.5$
3. (2, 1)
4. a. 235, b. 176 °F, c. 20 °C
5. $Y = 3.22X - 60.9$
6. $Y = 35.82 + 0.476X$
7. $Y = -\frac{1}{3} + \frac{5}{7}X$
8. $X = -14.39 + 1.15Y$
9. a. $Y = 142.66 - 0.062X$
b. $X = 2020$, $Y = 17.42$
10. a. $Y = -163.5 + 0.088X$
b. $X = 2020$, $Y = 14.26$
 $X_1 = 2142$, $X_2 = 2256$, $X_3 = 2426$