Changing the subject Solutions

Green Section

1. $y = x - 6$
2. $y = b + 8$
3. $y = \frac{c}{5}$
4. $y = 4m$
5. $y = \sqrt{v}$
6. $y = \frac{d}{8\pi}$
7. $y = k + 14$
8. $y = 2f + 3$
9. $y = w^2$
10. $y = \sqrt[3]{s}$
11. $y = 11 - n$
12. $y = (t + 1)^3$

Yellow Section

1. $x = \frac{y-5}{4}$
2. $x = \frac{t-3}{6}$
3. $x = \frac{6g}{7}$
4. $x = 5c - 9$
5. $x = \sqrt{(h - 4)}$
6. $x = \frac{p}{6} - 10\ OR\ x = \frac{p-60}{6}$
7. $x = f^2 + 9$
8. $x = \sqrt{\frac{y}{5}}$
9. $x = \frac{12-2y}{4}\ \text{OR}\ x = 3 - \frac{y}{2}$
10. $x = \sqrt[3]{1 - 6y}$
11. $x = \sqrt{t} - 5$
12. $x = \sqrt{36 - y^2}$

Red Section

1. $a = \sqrt{7t} - 4$
2. $a = \sqrt{c^2 - b^2}$
3. $a = \sqrt{6y + 5}$
4. $a = \sqrt{\frac{k+7}{4}}$
5. $a = \sqrt[3]{8d - 104}$
6. $a = \frac{\sqrt[3]{x}}{3} - 1$
7. $a = \sqrt{\frac{e+7c}{b}}$
8. $a = d^2c - 9$

Apply

1. $r = \sqrt{\frac{V}{\pi h}}$
2. $(x+7)^2 + 9 = t$
   $(x+7)^2 = t - 9$
   $x + 7 = \sqrt{t-9}$
   $x = \sqrt{t-9} - 7$