1. 9 + ( 12/6)^2 + (2x – 9) – 5

= (12/6)^2 + 2x + 9 – 9 – 5  
= (12/6)^2 + 2x – 5

= 2^2 + 2x -5

= 2x + 4 – 5

= 2x - 1

4. 38.63 + 14.2 = 52.83 , 230 x 2.465 = 566.95 , 13.2/4.8 = 2.75

5. Y = mx + c

mx + c = Y

mx + c – c = Y – c

mx = Y – c

mx / x = Y – c/x

**m = Y – c / x**

6. y/P + a = b

y/P \* y + A = b \* y

P + a = Yb

P + a – a = Yb – a

**P = Yb – a**

9. Friday = 3.5

Saturday = 5

Sunday = 6.5

Per hour = 12.50

3.5 \* 12.50 = 43.75  
 5 \* 12.50 = 62.50

6.5 \* 12.50 = 81.25

**Add all values together.**

43.75 + 62.50 + 81.25 = 187.50

**They will earn $187.50**

10. 5.5 – 3.25 = 2.25

7.75 – 3.25 = 4.5

11. P = 475

R = 12% / 100 = 0.12

**B = $3958.34**

12 . B = 18,000.00

R = 9% / 100 = 0.09

**P = 0.09 \* 18,000.00 = 1620**

13. B = 219.95

R = 0.15

P = 219.95 \* 0.15 = 32.99 = 219.95 – 32.99 = **$186.96 is the final amount paid**

15. B = 1600

R = P/B = 320/1600 = 0.20 = 20 – 100 = 80%

P = 230