3 Amount of sales, $300 ; net proceeds, $295 ; rate of commission?

4 Net proceeds, $196 ; rate of commission, 2% ; amount of sales?

5 Commission, $10 ; rate of commission, 5% ; net proceeds?

6. Amount invested, $600 ; rate of commission, 3% ; commission?

7. Net proceeds, $75 ; commission, $5 ; rate of commission?

8. Amount remitted to agent, $309 ; rate of commission, 3% ; commission?

9. Total cost, $2,100 ; commission, $100 ; rate of commission?

10. Commission, $12 ; rate of commission, 4% ; amount of sales?

11. Amount of sales, $500 ; commission, $10 ; rate?

INSURANCE.

1. Premium, $20 ; rate, 1% ; amount of insurance?

2. Amount of insurance, $2000 ; rate, $\frac{3}{4}$% ; premium?

3 Premium, $50 ; amount of insurance, $10,000 rate?

TAXES.

1. Assessed value, $4,000 ; rate, $\frac{3}{4}$% ; tax?

2. Assessed value, $5,000 ; tax, $25 ; rate?

3. Tax, $30 ; rate, $1\frac{1}{2}$% ; assessed value?

ORDINARY INTEREST.

1. Principal, $500 ; rate, 6% ; time, 1 yr. 6 mos.; interest?

2. Principal, $800 ; interest, $10 ; time, 3 mos.; rate?

3 Principal, $1,000 ; rate, 4% ; interest, $200 ; time?

4. Interest, $24; rate, 6%; time, 2 yrs.; principal?

5. Principal, $300 ; rate, 5% ; time, 2 yrs. 4 mos.; amount?

6. Principal, $600 ; rate, $4\frac{1}{2}$% ; time, 15 days ; interest?

7. Amount, $303 ; rate, 6% ; time, 2 mos.; principal?

8. Principal, $50 ; interest, $5 ; rate, $2\frac{1}{2}$%; time?

9. Amount, $408 ; rate, 8% ; time, 3 mos. ; interest?

Bookkeeping.

Toronto, July 2nd, 1895.

1. Pupil has this day commenced business, investing as follows :

2. Cash $1,200, merchandise $900, Wm. Taylor's acceptance for $300 dated June 4th, 1895 at 30 days and payable at the Bank of Commerce.

3. Bought of Stovel & Co. on my acceptance at 10 days goods as per invoice $300. Deposited in Bank of Commerce $1000. Cash sales $30.

4. Sold L. C. Fraser on account merchandise to the amount of $15. Paid freight per cheque $3.20. Sold J. Smith on his note 15 yds. of Scotch tweed at $1.40 ; 20 yds. English tweed at $1.50 ; 50 yds. Oxford shirting at 30c. $—. Paid cash for repairs $7.

5. Paid my acceptance in favor of Stovel & Co. per cheque as per B.B. $—. Sold Farren 90 yds. broadcloth at $1.80 ; 75 yds. cloaking at $1.60. Received cash $50, and balance to remain on account. Cash sales $120.

6. Sold M. H. Cann 25 yds. Scotch tweed at $1.40 ; 40 yds. cloaking at $2.50. Received fuel to the amount of $35 and the rest to remain on account. Paid cash for stationery $2.20.

7. Bought of J. H. Williams merchandise as per invoice $60. Gave in payment my note at 30 days for $30, and cash $20 and balance to remain on account.

8. Withdrew for private use $60. Paid Williams $15 on my note and gave a new note for balance of old note. Bought horse and cart per cheque $150. Paid clerk's salary per cheque $60. Cash sales $300.

Inventories :

Merchandise on hand $2,000.

Expense on hand $120.

In answer to P.S.L. we submit the following :

(1) Cash deposited in the bank should be entered in the Day Book and in the Cash Book and carried from the Day Book to bank account in the Ledger. It would be wrong to enter it in the Cash Book only, and consider it as cash on hand. If a Bank Book is kept separate from the Ledger then enter it in Bank Book and Cash Book and not in Day Book, and keep no bank account in Ledger. (Single entry).

(2) "Paid telegram to John Brown & Co. 40c." Should not be entered in Day Book but in the Cash Book only, writing " By telegram 40c."

(3) " Instructed Bank of Toronto to send draft on Bank of Montreal for $34 to Redpath & Co." This would appear in Day Book as follows :

Redpath & Co. Dr.

To draft on Bank. $34.

Bank. Cr.

By above draft. $34.

Algebra.

EXERCISE I.

1. $a^4 - 16b^4$

2. $16x^4 - 81a^4b^4$

3. $16 - (3a - 2b)^2$

4. $4y^2 - (2z - x)^2$

5. $20a^3x^3 - 45axy^2$

6. $36a^2x^6 - 4a^2x^2y^4$

7. $(3a^2 - b^2)^2 - (a^2 - 3b^2)^2$

8. $(5\ a^2 - 3\ b^2)^2 - (3a^2 - 5b^2)^2$

9. $(5x^2 + 2x - 3)^2 - (x^2 - 2x - 3)^2$

10. $(3x^2 - 4x - 2)^2 - (3x^2 + 4x - 2)^2$.

EXERCISE II.

1. $32a^3b^3 - 4b^9$.

2. $(a^2 - 2bc)^3 - 8b^3c^3$.

3. $a^2 - 2a - 8$.

4. $x + 12 - x^2$.

5. $1 - 18x - 63x^2$.

6. $8a - 4a^2 - 4$.

7. $a^3b - 4a^2b^2 + 3ab^3$.

8. $a^4b + 5a^3b^2 + 4a^2b^3$.

9. $(b + c)^2 - 6a(b + c) + 5a^2$.

10. $9(a + b)^2 - 6(a + bc)(+d) + (c + d)^2$.

EXERCISE III.

1. $x^4 - 29x^2 + 100$.

2. $100x^4 - 29x^2y^2 + y^4$.

3. $x^4 - 8x^2y^2z^2 + 16y^4z^4$.

4. $9a^6 - 10a^4b^2 + a^2b^4$.

5. $x^2 - 2ax - b^2 + 2ab$.

6. $x^2 + 2xy - a^2 - 2ay$.

7. $4(ab + cd)^2 - (a^2 + b^2 - c^2 - d^2)^2$.

8. $4(xy - ab)^2 - (x^2 + y^2 - a^2 - b^2)^2$.