Variables & Data Types
(Assignment Solutions)

Question 1 :

```cpp
int main() {

    int side;

    cin >> side;

    cout << "area = " << side * side << endl;

    return 0;

}
```

Question 2 :

```cpp
int main() {

    float penCost, pencilCost, eraserCost;

    cin >> penCost;

    cin >> pencilCost;

    cin >> eraserCost;


    float totCost = penCost + pencilCost + eraserCost;


    cout << "total = " << totCost << endl;

    cout << "total with GST = " << (totCost + (0.18 * totCost)) << endl;

    return 0;

}
```

Question 3 :

```cpp
int main() {

    float P, R, T;

    cin >> P;

    cin >> R;

    cin >> T;


    cout << "SI = " << (P*R*T) / 100 << endl;

    return 0;

}
```

Question 4 :

```cpp
int main() {

    float rad;

    cin >> rad;

    cout << "area = " << (22/7 * rad * rad) << endl;

    return 0;

}
```