

Variables & Data Types (Assignment Solutions)

Question 1 :

```
int main() {
    int side;
    cin >> side;
    cout << "area = " << side * side << endl;
    return 0;
}
```

Question 2 :

```
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 :

```
int main() {
    float P, R, T;
    cin >> P;
    cin >> R;
    cin >> T;

    cout << "SI = " << (P*R*T) / 100 << endl;
    return 0;
}
```

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Question 4 :

```
int main() {  
    float rad;  
    cin >> rad;  
    cout << "area = " << (22/7 * rad * rad) << endl;  
    return 0;  
}
```

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