

## 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;  
}
```

**Question 4 :**

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

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