Complete the following quiz questions and return the sheet to your TA. Do this at the start of the lab session.

1. [**8 points**] Provide the output for each statement.

   A. `System.out.println("15" + 20);` [Answer] 1520

   B. `System.out.println(15 + 20);` [Answer] 35

   C. `System.out.println("" + 15 + 20);` [Answer] 1520

   D. `System.out.println("10" + (15 + 20));` [Answer] 1035

   E. `System.out.println( 5 / 2 );` [Answer] 2

   F. `System.out.println( 5.0 / 2 );` [Answer] 2.5

   G. `int x = (int)(3.5 + 2); System.out.println(x);` [Answer] 5

   H. `System.out.println(7 % 2);` [Answer] 1

2. [**2 points**] Complete the following program to divide an integer (dividend) by another integer (divisor) and print the result. Even though the operands are integers, **this program should produce an exact result.** Explain your solution.
   If you don't know how to answer this question, explain your thoughts to receive partial credit.

```java
/**
This program performs an exact division between two numbers

@param args command line arguments
*/
public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    int dividend = s.nextInt();
    int divisor = s.nextInt();

    // insert your code here
    double result = (double)dividend / divisor;
    System.out.println(result);
}
```

Explanation: [Answer] We need to perform casting to do a real division.