isProjectCompleted begins with is and follows the *camelCase* standard.

X

5

Variables and Data Types 3
Submitted on Today at 9:43 AM

```
int x = 5;        declaration and initialization
int y = x + 2;
y = 3;
```

y

X 3

What's the value of the variable **y** after this code snippet executes?

3

✓ Correct   RESET INPUT   CHECK ANSWER

✓ Correct   RESET INPUT   CHECK ANSWER

mixed mode expression
double / int
double x = 7.0 / 4;

X

1.75

④ **Variables and Data Types 4**

```
double x = 7 / 4;     integer math
```

What's the value of the variable x after this code snippet executes?

1

RESET INPUT   CHECK ANSWER

X

1

---

⑦ **Variables and Data Types 7**

```
          cast        - treat the number as a double 2.0
int x = (int)((5 / (double)2) * 4);
```
5 / 2.0

int y = 2;

int x = (int)((5 / (double)y) * 4);

What's the value of the variable x after this code snippet executes?

2.5 * 4 = 10.0
10

10

RESET INPUT   CHECK ANSWER

8 **Variables and Data Types 8**

```
int x =  9 + 5 / 2 * 4 - 3;
```

*[handwritten: 2 * 4]*

What's the value of the variable x after this code snippet executes?

[handwritten: 8]
[handwritten: 9 + 8 -3]

14

RESET INPUT   CHECK ANSWER

---

10 **Variables and Data Types 10**
Submitted on Today at 10:08 AM

```
int x = 38 % 3;
```

What's the value of the variable x after this code snippet executes?

○ 8

○ 12

◉ 2

○ 0

[handwritten work: 38 % 3, long division 3 ⟌ 38 = 12 r 2, circled 2]