

Unit 2 Worksheet 3 - Mixing Types

1 of 1

Pts: 10

Name _____

class hour _____

I. Given that `i` and `x` are declared as integers and `d` and `y` are declared as doubles: (1 pt each)

```
int i, x;  
double d, y;
```

Use the Java segments of code below to answer the following or write ERROR given that

```
i = 12;  
d = 10.0;
```

- | | | |
|--------------------------------------|---|----------|
| 1) <code>x = (int)d;</code> | What is the exact value of <code>x</code> ? | 1) _____ |
| 2) <code>x = d + 0.5;</code> | What is the exact value of <code>x</code> ? | 2) _____ |
| 3) <code>x = i/8;</code> | What is the exact value of <code>x</code> ? | 3) _____ |
| 4) <code>y = d/4;</code> | What is the exact value of <code>y</code> ? | 4) _____ |
| 5) <code>y = i/8;</code> | What is the exact value of <code>y</code> ? | 5) _____ |
| 6) <code>y = i/8.0;</code> | What is the exact value of <code>y</code> ? | 6) _____ |
| 7) <code>y = (double)(i/8);</code> | What is the exact value of <code>y</code> ? | 7) _____ |
| 8) <code>y = i;</code> | What is the exact value of <code>y</code> ? | 8) _____ |
| 9) <code>y = (double)(i)/(8);</code> | What is the exact value of <code>y</code> ? | 9) _____ |

II. Answer the following: The last three problems are an example of
a) Conversion b) Casting

(1 pt) II. _____