

EXERCISE SET 1 ** ANSWER SHEET **

23 pts.

Due Tuesday, February 15th

Literal Values

1. What is the difference between a literal value and a variable? (1 pt.)

Anything reasonable

2. Give one example literal value for each of the following: (2 pts.)

a. An integer literal value 142 *any number without a decimal point*

b. A float literal value 142.08 *any number with a decimal point, e.g., 12.02 12.0 12.*

Identifiers

3. Indicate which of the following are valid identifiers (circle): (1 pt.)

Total2005Sales 2005TotalSales

Expressions

4. Evaluate each of the following arithmetic expressions. (4 pts.)

a. $(2 + 4) * 3$ 18

b. $2 + (4 * 3)$ 14 (corrected 2-21)

c. $2 + (3 * 4) - 9$ 5 (corrected 2-21)

d. $((2 + 10) / 4) / 2$ 1.5 *don't worry about integer div at this point*

5. Evaluate the following expressions (as True or False): (5 pts.)

a. $12 \leq 14$ True

b. $6 < 10$ True

c. $(20 < 10)$ and $(20 > 5)$ False

d. $(20 < 10)$ or $(20 > 5)$ True

e. not $(6 < 10)$ False


```
if credits >= 90
    print 'Senior'
else
if credits >= 60
    print 'Junior'
else
if credits >= 30
    print 'Sophomore'
else
    print 'Freshman'
```

either single quotes (') or double quotes (") may be used for strings

OR

```
if credits < 30
    print 'Freshman'
else
if credits < 60
    print 'Sophomore'
else
if credits < 90
    print 'Junior'
else
    print 'Senior'
```