# WORKSHEET 3.2

# Precedence and Assignment Operators

For all of the following expressions (questions # 1-8), use precedence rules to determine the correct answer:

1. 8 + 3 \* 6 / 5 % 6 - 9 5. 12 \* 3 % 8 / 2

2. (8 \* 3) / 9 + 2 \* 5 6. (12 \* 3) % (8 / 2)

3. (**double**) 9 / 4 7. 17.5 / 3.75 + 2

4. (**int**) 17.5 / 3 8. 12.5 % 3

9. Explain how this statement is evaluated: *a* = *b* = 2;

For questions # 10-12, translate each of the following statements into Java code. Where appropriate, several versions will be requested:

10. Increment *number* by 10. (2 versions)

a. longer version b. using assignment operator

11. Increment *count* by 1. (2 versions)

a. longer version b. using increment operator

12. Multiply *base* by 2. (2 versions)

a. longer version b. using assignment operator

For questions # 13 and # 14, determine the final values of a and b for each fragment of code:

13. 14.

b = 2; b = 2;

a = ++b; a = b++;