Name: _____ Date: _____

BLM 8–4

Chapter 8 Problems of the Week

1. How many pairs of two-digit integers can you find that have a product of −600?

2. Find two integers such that

- both are odd
- their sum is negative
- their product is −135
- one is a perfect square
- neither is a factor of the other

3. The scoring for the Grade 8 Provincial Math Challenge includes the following:

- There are 40 questions on the test.
- Two points are awarded for each correct question.
- For each incorrect answer, −3 points are scored.

Kelsey's final score on her test was 0.

a) How many of the 40 questions did she answer correctly?

b) Does this type of scoring seem fair to you? Explain why some math contests use this method of scoring.

4. Liam throws 10 darts at a dartboard.

- If a dart lands on an even number he adds his score.
- If a dart lands on an odd number he subtracts his score.

Liam's darts land on the following numbers: 2 darts on 19, 3 darts on 10, 1 dart on 18, 1 dart on 1, 2 darts on 9, and 1 dart on 5. What is his total score?

5. Follow the rules to write as many expressions as possible that equal 12, 24, −2, and −10:

- Use any operation and/or brackets.
- Use exactly four integers from the following list: 2, 8, −4, −5, −6.

6. To win a free trip you must answer a skill-testing question:

$1 + 4 - 2 + 9 \div 3 - 6 \times 2 + 10 = ?$

Jackie answered 6. Does she win the trip?