Unit 3 Review: Worked Answers

Each problem solved the way the lesson does it.

Name: _____ Date: _____

1. From Lesson 1. −9 + 4
   - Owe 9, have 4. Pay off what you can. Still owe 5.

   Answer: −5

2. From Lesson 2. −3 − (−8)
   - Change it to adding the opposite: −3 + 8.

   Answer: 5

3. From Lesson 3. 1 and 1 fourth + (−2.5)
   - Pick decimals: 1.25 + −2.5.

   Answer: −1.25

4. From Lesson 4. −5 × (−2.4)
   - Same signs, positive.
   - 5 × 2.4 = 12.

   Answer: 12

5. From Lesson 5. −36 ÷ 1.2
   - Different signs, negative.
   - Move both decimal points one place: 360 ÷ 12 = 30.

   Answer: −30

6. From Lesson 6. Write −3 eighths as a decimal.
   - Sign: negative.
   - 3 ÷ 8 = 0.375.

   Answer: −0.375

7 From Lesson 6. Write 5 ninths as a decimal.

- 50 ÷ 9 is 5, remainder 5, and it repeats.

Answer: 0.5 with a bar over the 5 (0.555...)

8 From Lesson 7. $(-8 + 3) \times 2 - (-4)$

- Groups: $-8 + 3 = -5$.
- Times: $-5 \times 2 = -10$.
- Change and add: $-10 + 4$.

Answer: -6