

## Answer Keys

### Quantitative Review

1.

$$\frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1}$$

2.

$$\frac{1}{x^2 + 1} \cdot \frac{3x^2 - 2x + 1}{3x^2 - 2x + 1}$$

3.

$$\frac{3x^2 - 2x + 1}{x^2 + 1} \cdot \frac{3x^2 - 2x + 1}{3x^2 - 2x + 1}$$

4. Commutative property of addition

5. Associative property of addition

6. Identity property of addition

7a. Inverse property of addition

7b. Distributive property

8a. Inverse property of multiplication, 100, 10<sup>2</sup>

8b. 10, 10

8c. 100, 100

8d. 100, 100

8e. 100, 100

8f. 100, 100

8g. 100, 100

8h. 100, 100

8i. 100, 100

8j. 100, 100

8k. 100, 100

8l. 100, 100

8m. 100, 100

8n. 100, 100

8o. 100, 100

8p. 100, 100

8q. 100, 100

8r. 100, 100

8s. 100, 100

8t. 100, 100

8u. 100, 100

$$99. \frac{2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1}$$

$$100. \frac{-2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1}$$

$$101. 3x^2 - 2x + 1 - \frac{2x + 1}{x^2 + 1} - 2$$

$$102. 3x^2 - 2x + 1 - \frac{2x + 1}{x^2 + 1} - 2$$

$$103. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$104. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$105. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$106. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$107. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$108. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$109. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$110. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$111. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$112. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$113. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$

$$114. \frac{3x^2 - 2x + 1}{x^2 + 1} - \frac{2x + 1}{x^2 + 1} - 2$$