Name: _____ Date: _____

Fresh Math

Find the remainder using the Remainder Theorem.

Solve for x. Show your work.

1. $(x^2 + 2x + 4)$ div $(x - 2)$

2. $(x^2 + 6x + 3)$ div $(x - 4)$

3. $(x^2 + 3x + 2)$ div $(x - 1)$

4. $(x^2 + 3x + 8)$ div $(x - 3)$

5. $(x^2 + 5x + 6)$ div $(x - 3)$

6. $(x^2 + 2x + 3)$ div $(x - 2)$

7. $(x^2 + 4x + 7)$ div $(x - 2)$

8. $(x^2 + 5x + 4)$ div $(x - 1)$

Find the remainder using the Remainder Theorem. - Answer Key

1. $(x^2 + 2x + 4)$ div $(x - 2)$
   12

2. $(x^2 + 6x + 3)$ div $(x - 4)$
   43

3. $(x^2 + 3x + 2)$ div $(x - 1)$
   6

4. $(x^2 + 3x + 8)$ div $(x - 3)$
   26

5. $(x^2 + 5x + 6)$ div $(x - 3)$
   30

6. $(x^2 + 2x + 3)$ div $(x - 2)$
   11

7. $(x^2 + 4x + 7)$ div $(x - 2)$
   19

8. $(x^2 + 5x + 4)$ div $(x - 1)$
   10