

Practice 12.7

Name(s) \_\_\_\_\_

Perform the division.

$$1) \quad \frac{-42x^2 - 21x + 28}{7}$$

$$2) \quad \frac{12r^7 - 20r^4}{4r}$$

$$3) \quad \frac{-20x^5 + 16x^4 - 20x^3}{-4x^4}$$

$$4) \quad \frac{10x^2 + 20x - 11}{5x}$$

Solve.

- 5) The perimeter of a rectangle is  $(4x^2 + 6x + 16)$  inches and its length is  $(x^2 + 2x + 4)$  inches. Find its width.

<p>Perimeter is <math>(4x^2 + 6x + 16)</math> inches</p>
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Length is  $(x^2 + 2x + 4)$  inches

Answer Key

Testname:

1)  $-6x^2 - 3x + 4$

2)  $3r^6 - 5r^3$

3)  $5x - 4 + \frac{5}{x}$

4)  $2x + 4 - \frac{11}{5x}$

5)  $(x^2 + x + 4)$  inches