

Name _____

Score _____

Divide.

1. $\frac{3+9x}{3}$

2. $\frac{12x^2-4x}{4x}$

1. _____

2. _____

5. $\frac{-9a^4-18a^3+27a^2}{-9a^2}$

8. $\frac{25x^4-10x^3+5x^2}{-5x^2}$

5. _____

6. _____

8. _____

Chapter 5

Additional Objective 5.4.2 Exercises

Divide by using long division.

1. $(x^2-2x-35)\div(x+5)$

2. $(x^2-12x+32)\div(x-4)$

1. _____

2. _____

3. $(x^2-x-90)\div(x-10)$

4. $(x^2+8x-48)\div(x-4)$

3. _____

4. _____

11. $\frac{4x^3-6x^2-20x+7}{2x-1}$

12. $\frac{6x^3-7x^2-9x-2}{3x+1}$

11. _____

12. _____

Name _____

Score _____

Factor.

1. $15b^2 + 6b$

2. $3x^3 - 4x^2$

3. $3a^2 - 18b^3$

1. _____

2. _____

3. _____

10. $10x^2 - 15x + 20$

10. _____

Chapter 5**Additional Objective 5.5.2 Exercises****Factor.**

1. $2(x+y) + a(x+y)$

2. $a(x-4) - b(x-4)$

1. _____

2. _____

4. $x^2 + x + 5x + 5$

5. $x^2 + 7x - 4x - 28$

4. _____

5. _____

Chapter 5**Additional Objective 5.5.3 Exercises****Factor.**

1. $x^2 - 7x + 10$

2. $x^2 + 11x + 18$

3. $a^2 + 9a + 8$

1. _____

2. _____

3. _____

4. $a^2 - a - 56$

5. $b^2 + 3b - 28$

6. $a^2 + 6a + 5$

4. _____

5. _____

6. _____

Chapter 5**Additional Objective 5.5.4 Exercises****Factor**

1. $2x^2 + 5x + 2$

2. $2x^2 - 5x - 12$

3. $3x^2 + 13x - 10$

1. _____

2. _____

3. _____

7. $6b^2 - 13b + 6$

8. $2x^2 + x - 3$

9. $10x^2 + x - 3$

7. _____

8. _____

9. _____