Name: Period: Score: /

HW 3-4

Int 1 Greatest Common Factor (GCF) & Intro. To Factoring Unit 1

Factor the expressions completely.

1. 12h + 24y GCF _____
   Factored expression _____

2. 18 – 6x – 12 GCF _____
   Factored expression _____

3. 5 – 20y GCF _____
   Factored expression _____

4. 70mw + 30 + 20y GCF _____
   Factored expression _____

5. 60hf – 15 GCF _____
   Factored expression _____

6. 14x – 7y – 35z GCF _____
   Factored expression _____

7. Which of the following expressions cannot be factored?

a. $6 + 3x$
b. $7x + 3$
c. $15x + 10$
d. $30x + 40$

8. Which of the following has a GCF of 4a?

e. 16a, 8
f. 18, 8a
g. 16a, 10
h. 16ab, 20a

Factor the expressions completely.

9. $8r - 14$ GCF _____
Factored expression _____

10. $24 + 32m$ GCF _____
Factored expression _____

11. $100x + 150$ GCF _____
Factored expression _____

12. $32 - 15y$ GCF _____
Factored expression _____

13. $72n - 18$ GCF _____
Factored expression _____

14. $9 + 63w$ GCF _____
Factored expression _____