

Name _____ Date _____

GCF and Distributive Property

Rewrite using the distributive property and GCF.

EXAMPLE:

$$36+24$$

Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36

Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24

GCF: 12

$$12 \times 3 = 36$$

$$12 \times 2 = 24$$

Rewritten: $12(3+2)$

$$36x+24y$$

Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36

Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24

GCF: 12

$$12 \times 3 = 36$$

$$12 \times 2 = 24$$

Rewritten: $12(3x+2y)$

a. $42+28$

g. $18x+27$

b. $100-75$

h. $34+17y$

c. $25+15$

i. $45a+36b$

d. $70+60$

j. $35c+60$

e. $24+32$

k. $40x+32y$

f. $12+18$

l. $50z+45y$