



Factoring

Solve the problems

Name _____ Date _____

(1)
 $x = 900$ $y = 780$ _____

(2)
 $x = 120$ $y = 480$ _____

(3)
 $x = 840$ $y = 504$ _____

(4)
 $x = 480$ $y = 672$ _____

(5)
 $x = 780$ $y = 864$ _____

(6)
 $x = 924$ $y = 132$ _____

(7)
 $x = 120$ $y = 252$ _____

(8)
 $x = 504$ $y = 132$ _____

(9)
 $x = 864$ $y = 336$ _____



Answers

Solve the problems

(1)

$x = 900$ $y = 780$ GCF=60 LCM=11700 Common Factors ; 1; 5; 3; 15; 2; 10; 6; 30; 4; 20; 12; 60

(2)

$x = 120$ $y = 480$ GCF=120 LCM=480 Common Factors ; 1; 5; 3; 15; 2; 10; 6; 30; 4; 20; 12; 60; 8; 40; 24; 120

(3)

$x = 840$ $y = 504$ GCF=168 LCM=2520 Common Factors ; 1; 7; 3; 21; 2; 14; 6; 42; 4; 28; 12; 84; 8; 56; 24; 168

(4)

$x = 480$ $y = 672$ GCF=96 LCM=3360 Common Factors ; 1; 3; 2; 6; 4; 12; 8; 24; 16; 48; 32; 96

(5)

$x = 780$ $y = 864$ GCF=12 LCM=56160 Common Factors ; 1; 3; 2; 6; 4; 12

(6)

$x = 924$ $y = 132$ GCF=132 LCM=924 Common Factors ; 1; 11; 3; 33; 2; 22; 6; 66; 4; 44; 12; 132

(7)

$x = 120$ $y = 252$ GCF=12 LCM=2520 Common Factors ; 1; 3; 2; 6; 4; 12

(8)

$x = 504$ $y = 132$ GCF=12 LCM=5544 Common Factors ; 1; 3; 2; 6; 4; 12

(9)

$x = 864$ $y = 336$ GCF=48 LCM=6048 Common Factors ; 1; 3; 2; 6; 4; 12; 8; 24; 16; 48