Name/Date SolutionS

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 24.1 – Equations & Ordered Pairs

Complete each ordered pair so that it is a solution to 3x + y = 20.

1.
$$(2, \frac{14}{y})$$
 $3x + y = 20$
 $3(2) + y = 20$
 $6 + y = 20$
 $y = 14$

2.
$$(\frac{5}{x}, \frac{5}{y})$$
 $3x + y = 20$
 $3x + (5) = 20$
 $3x + 5 = 20$
 $3x + \frac{5}{3} = \frac{15}{3}$
 $x = 5$

Complete each ordered pair so that it is a solution to 2x + y = 32.

3.
$$(\frac{15}{x}, 2)$$
 $2x + y = 32$ $2x + (2) = 32$ $2x + 2 = 32$ $2x + 2 = 30$ $2x + 2 = 30$ $2x + 2 = 30$

4.
$$\frac{8}{x}$$
 $\frac{8}{y}$ $\frac{2}{x}$ $\frac{4}{y}$ = 32
 $\frac{2(12)}{2}$ + $\frac{4}{y}$ = 32
 $\frac{24}{24}$ + $\frac{4}{y}$ = 32
 $\frac{24}{24}$ + $\frac{4}{y}$ = 32
 $\frac{24}{24}$ + $\frac{4}{y}$ = 32

Complete each ordered pair so that it is a solution to 5x - y = 12.

$$6.(\frac{1}{x}, -7) \quad 5x - y = 12$$

$$5x - (-7) = 12$$

$$5x + 7 = 12$$

$$-7 - 7$$

$$5x = 5$$

$$x = 1$$