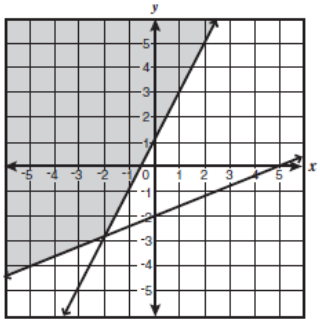
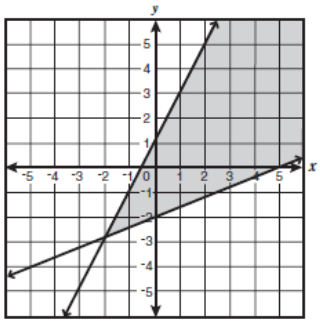
40 **Which graph *best* represents the solution to this system of inequalities?**

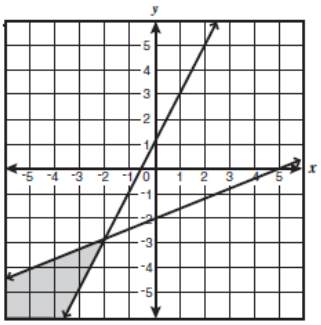
$$\begin{cases} 2x \geq y - 1 \\ 2x - 5y \leq 10 \end{cases}$$



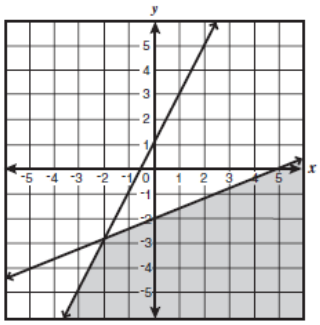
A



C



B



D

CSA00516

41 **What is the solution to this system of equations?**

$$\begin{cases} y = -3x - 2 \\ 6x + 2y = -4 \end{cases}$$

A (6, 2)

B (1, –5)

C no solution

D infinitely many solutions

42 **Which ordered pair is the solution to the system of equations below?**

$$\begin{cases} x + 3y = 7 \\ x + 2y = 10 \end{cases}$$

A $\left(\frac{7}{2}, \frac{13}{4}\right)$

B $\left(\frac{7}{2}, \frac{17}{5}\right)$

C $(-2, 3)$

D $(16, -3)$

CSA10131

43 **Marcy has a total of 100 dimes and quarters. If the total value of the coins is $14.05, how many quarters does she have?**

A 27

B 40

C 56

D 73

CSA20083

44 **Which of the following *best* describes the graph of this system of equations?**

$$\begin{cases} y = -2x + 3 \\ 5y = -10x + 15 \end{cases}$$

A two identical lines

B two parallel lines

C two lines intersecting in only one point

D two lines intersecting in only two points

Answers

40	*C*
41	*D*
42	*D*
43	*A*
44	*A*