

JACK McMAHON ACKHURST NOVEMBER 23 QUIZ

WEBQUIZ will process this quiz using **pst2pdf**.

Question 1.

For the system of linear equations

$$\begin{aligned}x - y &= 7 \\ y &= -x + 5\end{aligned}$$

which of the following deductions is correct?

✗ *Option 1(a):*

$$\begin{aligned}-y &= x + 7 \\ y &= -x + 5\end{aligned}$$

✓ *Option 1(b):*

$$\begin{aligned}-y &= -x + 7 \\ y &= -x + 5\end{aligned}$$

✗ *Option 1(c):*

$$\begin{aligned}y &= x + 7 \\ y &= -x + 5\end{aligned}$$

✗ *Option 1(d):*

$$\begin{aligned}y &= -x - 7 \\ y &= -x + 5\end{aligned}$$

Question 2.

For the system of linear equations

$$-y = -x + 7$$

$$y = -x + 5$$

which of the following deductions is correct?

✗ *Option 2(a):*

$$y = -x + 7$$

$$y = -x + 5$$

✗ *Option 2(b):*

$$-y = x + 7$$

$$y = -x + 5$$

✓ *Option 2(c):*

$$y = x - 7$$

$$y = -x + 5$$

✗ *Option 2(d):*

$$-y = -x - 7$$

$$y = -x + 5$$

Question 3.

For the system of linear equations

$$y = x - 7$$

$$y = -x + 5$$

which of the following deductions is correct?

✗ *Option 3(a):*

$$x - 7 = x + 5$$

✓ *Option 3(b):*

$$x - 7 = -x + 5$$

✗ *Option 3(c):*

$$x + 7 = x + 5$$

✗ *Option 3(d):*

$$x - 7 = x - 5$$

Question 4.

For the linear equation

$$x - 7 = -x + 5$$

which of the following deductions is correct?

✗ *Option 4(a):*

$$-7 = 5$$

✗ *Option 4(b):*

$$-7 = 2x + 5$$

✓ *Option 4(c):*

$$2x - 7 = 5$$

✗ *Option 4(d):*

$$2x + 7 = 5$$

✗ *Option 4(e):*

$$-2x + 7 = 5$$

✗ *Option 4(f):*

$$-2x - 7 = 5$$

Question 5.

For the linear equation

$$2x - 7 = 5$$

which of the following deductions is correct?

✗ *Option 5(a):*

$$x = 12$$

✗ *Option 5(b):*

$$2x = -12$$

✓ *Option 5(c):*

$$2x = 12$$

✗ *Option 5(d):*

$$-2x = 12$$

Question 6.

For the linear equation

$$2x = 12$$

which of the following deductions is correct?

✗ *Option 6(a):*

$$x = 12$$

✗ *Option 6(b):*

$$x = 24$$

✓ *Option 6(c):*

$$x = 6$$

✗ *Option 6(d):*

$$x = 1$$

Question 7.

For the system of linear equations

$$y = -x + 5$$

$$x = 6$$

which of the following deductions is correct?

✗ *Option 7(a):*

$$y = 1$$

✓ Option 7(b):

$$y = -1$$

✗ Option 7(c):

$$y = 5$$

✗ Option 7(d):

$$y = -5$$

Question 8.

For the system of linear equations

$$y = -1$$

$$x = 6$$

which of the following deductions is correct?

✗ Option 8(a):

$$\text{POI} \quad (-1, 6)$$

✗ Option 8(b):

$$\text{POI} \quad (1, 6)$$

✗ Option 8(c):

$$\text{POI} \quad (6, 1)$$

✓ Option 8(d):

$$\text{POI} \quad (6, -1)$$