

LO 1 : REVIEW OF LINEAR EQUATIONS

QUESTION 1 Solve the following equations.

a $x + 3 = 11$

b $a + 9 = 25$

c $y - 5 = 16$

d $b + 7 = 17$

e $m + 3 = 23$

f $n - 9 = 21$

g $k + 1 = 36$

h $y + 3 = 22$

i $t - 5 = 17$

QUESTION 2 Solve the following one-step equations.

a $p - 3 = 15$

b $x - 5 = 18$

c $m - 6 = 31$

d $n - 1 = 5$

e $t - 4 = -7$

f $a - 3 = -8$

g $y + 7 = 9$

h $x - 3 = 28$

i $7 + a = 24$

j $x + 5 = 19$

k $a - 3 = 58$

l $m - 1 = -10$

QUESTION 3 Solve these equations.

a $3a = 21$

b $-7x = -49$

c $\frac{p}{-9} = 8$

d $\frac{y}{3} = -6$

e $\frac{m}{6} = -4$

f $7x = -42$

g $5b = -125$

h $-2x = -18$

i $\frac{t}{-2} = 12$

j $\frac{y}{7} = 12$

k $\frac{n}{8} = 4$

l $-6x = 54$

QUESTION : Solve the following equations.

$$2x + 3 = 7$$

$$3x - 5 = 4$$

$$5y - 10 = 5$$

$$\frac{6m}{5} = 12$$

$$\frac{x-2}{5} = 2$$

$$19 = 3a - 8$$

$$\frac{a}{2} - 2 = 8$$

$$4x - 5 = 19$$

$$\frac{x-5}{7} = 6$$

$$3(x+2) = 6$$

$$2(a+1) = 8$$

$$5(m-2) = 25$$

$$\frac{3p-9}{4} = 6$$

$$\frac{3p-7}{2} = 4$$

$$\frac{5x-4}{3} = 12$$

$$\frac{8a}{3} + 1 = 9$$

$$3a - 7 = a + 5$$

$$8x + 4 = 6x - 8$$

$$4a - 11 = 7a - 17$$