Alg Mini MA912A33 Form A

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1 Solve $A = \frac{1}{2}(b+c)h$ for c.

A. $c = \frac{h}{2A} - b$ **B.** $c = 2Ah - b$ **C.** $c = \frac{2A}{h} - b$ **D.** $c = 2h(A - b)$

2 The formula for the resistance of a conductor with voltage *V* and current *I* is $r = \frac{V}{I}$. Solve for *V*.

F. $I = Vr$ **G.** $V = \frac{I}{r}$ **H.** $V = Ir$ **I.** $V = \frac{r}{I}$

3 Solve $y + w - \frac{3}{4}z = 0$ for *z*.

A. $z = \frac{4}{3}(y+w)$ **B.** $z = \frac{3}{4}(y+w)$ **C.** $z = \frac{4}{3}w + y$ **D.** $z = \frac{4y}{3} + w$

4 Employees at the dairy factory are packing cartons of eggs. One carton can hold *x* eggs. Today the employees have *E* eggs to pack. When they have finished, they have packed *C* cartons and have 3 eggs left over.

Use the equation $\frac{E}{x} = C + \frac{3}{x}$ to find *C*, the number of cartons that were packed.

F. $C = \frac{E-3}{x}$ **G.** $C = \frac{E}{x} - 3$ **H.** $C = \frac{E}{x-3}$ **I.** $C = 3 - \frac{E}{x}$

5 There were *T* people waiting for buses at the station. When the first bus arrived, *n* people boarded it. The remaining *p* people waited for buses to other places.

Use the equation $T - n = p$, to find *n*, the number of people who boarded the first bus.

A. $n = p - T$ **B.** $n = \frac{T}{p}$ **C.** $n = T - p$ **D.** $n = T + p$

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Answer Section

MULTIPLE CHOICE

1	ANS: C	PTS:	1	STA:	MA.912.A.3.3
2	ANS: H	PTS:	1	STA:	MA.912.A.3.3
3	ANS: A	PTS:	1	STA:	MA.912.A.3.3
4	ANS: F	PTS:	1	STA:	MA.912.A.3.3
5	ANS: C	PTS:	1	STA:	MA.912.A.3.3