

Section 4-5: Solving for a Variable in Terms of Another Variable

1. 080218a, P.I. A.A.23

If $2m + 2p = 16$, p equals

- [A] $9m$ [B] $8 - m$
[C] $16 - m$ [D] $16 + 2m$

2. 010116a, P.I. A.A.23

If $bx - 2 = K$, then x equals

- [A] $\frac{2-K}{b}$ [B] $\frac{K-2}{b}$
[C] $\frac{K+2}{b}$ [D] $\frac{K}{b} + 2$

3. 060719a, P.I. A.A.23

If $c = 2m + d$, then m is equal to

- [A] $\frac{c}{2} - d$ [B] $d - 2c$
[C] $\frac{c-d}{2}$ [D] $c - \frac{d}{2}$

4. 060219a, P.I. A.A.23

If $x = 2a - b^2$, then a equals

- [A] $\frac{b^2 - x}{2}$ [B] $x + b^2$
[C] $\frac{x - b^2}{2}$ [D] $\frac{x + b^2}{2}$

5. 010421a, P.I. A.A.23

If $2ax - 5x = 2$, then x is equivalent to

- [A] $\frac{1}{a-5}$ [B] $\frac{2+5a}{2a}$
[C] $\frac{2}{2a-5}$ [D] $7 - 2a$

6. 080530a, P.I. A.A.23

If $\frac{x}{4} - \frac{a}{b} = 0$, $b \neq 0$, then x is equal to

- [A] $\frac{4a}{b}$ [B] $-\frac{a}{4b}$ [C] $\frac{a}{4b}$ [D] $-\frac{4a}{b}$

7. 080722a, P.I. A.A.23

Which equation is equivalent to $3x + 4y = 15$?

- [A] $y = 3x - 15$ [B] $y = 15 - 3x$
[C] $y = \frac{3x-15}{4}$ [D] $y = \frac{15-3x}{4}$

[1] B

[2] C

[3] C

[4] D

[5] C

[6] A

[7] D