6.1 Linear Equations in One Variable

SP6.1.1 TP1 TP2

A. *Choose the correct linear equations in one variable.*

$5 + y = 9$ $3m = n + 1$ $x - 12 = x^2$ $6h - \dfrac{1}{2} = h$ $rs + 9 = \dfrac{3}{8}$

$7h - 1 = k$ $\dfrac{m}{2} - 5 = 3$ $2(k - 3) = \dfrac{k}{2}$ $k(2 + 2k) = 6$ $5x + 4$

B. *Form a linear equation in one variable for each of the following statments.*

SP6.1.2 TP2

Statement	Linear equation
1. When 9 is added to 5x, the total is 28.	
2. Zamri has x marbles. Chong has 15 marbles. The total number of their marbles is 60.	
3. David is n years old. Kumar is 17 years old. Kumar is 2 years older than David.	

C. *Solve the following linear equations.*

SP6.1.3 TP3

1. $x + 1 = 7$
$x =$
$=$

2. $y - 3 = 5$
$y =$
$=$

3. $\dfrac{m}{4} = 2$
$\dfrac{m}{4} \times \quad = \quad \times$
$m =$

4. $2p = 10$
$\dfrac{2p}{} = \dfrac{10}{}$
$p =$

5. $10 - 4x = 6$
$-4x = 6 \quad 10$
$-4x =$
$x =$

6. $\dfrac{3n}{5} = 9$
$3n = \quad \times 9$
$3n =$
$n = \dfrac{}{}$
$=$