Given the formula

$$v = u + at$$

Find the value of v when:

a) $u = 8, a = 6$ *and* $t = 10$

$v = u + at$

$v = (\quad) + (\quad)(\quad)$

$v = \quad\quad +$

$v =$

b) $u = 12, a = 4$ *and* $t = 8$

$v = u + at$

$v = (\quad) + (\quad)(\quad)$

$v = \quad\quad +$

$v =$

c) $u = 25, a = -2$ *and* $t = 8$

$v = u + at$

$v = (\quad) + (\quad)(\quad)$

$v =$

$v =$

d) $u = 0, a = 6$ *and* $t = 30$

$v = u + at$

$v = (\quad) + (\quad)(\quad)$

$v =$

$v =$

LIVEWORKSHEETS

Given the formula

$$s = ut + \frac{1}{2}at^2$$

Find the value of s when:

a) $u = 5, t = 10$ *and* $a = 4$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = (\quad) + \frac{1}{2}(\quad)(\quad)$$

$$s = \quad +$$

$$s =$$

b) $u = 0, t = 5$ *and* $a = 2$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = (\quad) + \frac{1}{2}(\quad)(\quad)$$

$$s = \quad +$$

$$s =$$

LIVEWORKSHEETS

c) $u = 8, t = 5$ *and* $a = 10$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = (\quad) + \frac{1}{2}(\quad)(\quad)$$

$$s = \quad +$$

$$s =$$

d) $u = 0, a = 0$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = \quad +$$

$$s =$$

LIVEWORKSHEETS