

Exam question answers

1. $g = 9$

$$h = 4$$

Work out the value of $2g + 3h$

$$2g = 18$$

$$3h = 12$$

Answer: 30

2. $w = 4u + 3$

Find the value of w when $u = 8$

$$4 \times 8 (= 32)$$

Answer: 35

3. $T = 3x + 4y$

Work out the value of T when $x = 5$ and $y = -7$

$$3x = 15$$

$$4y = -28$$

Answer: -13

4. $P = 7r + 3q$

Work out the value of P when $r = 5$ and $q = -4$

$$7 \times 5 \text{ and } 3 \times -4 \text{ or } 7(5) + 3(-4)$$

$$35 + (-12)$$

Answer: 23

5. $v^2 = u^2 + 2as$

$$u = 12 \quad a = -3 \quad s = 18$$

Work out a value of v

$$u^2 = 144$$

$$2as = 2 \times -3 \times 18 = -108$$

$$144 + (-108)$$

$$v^2 = 36$$

Answer: 6