YEAR 10 MATHS HOMEWORK.

EQUATIONS REVIEW Questions

1. Solve:

(a) $a + 9 = 13$

(b) $e - 14 = 35$

(c) $t + 4 = 1$

(d) $h - 6 = -7$

(e) $y - 4 = -2$

(f) $k + 9 = -5$

(g) $7d = 84$

(h) $-3m = 18$

(i) $8c = -12$

(j) $-9b = -144$

(k) $-n = 2$

(l) $\frac{x}{5} = 15$

(m) $\frac{z}{6} = -12$

(n) $\frac{-p}{7} = -63$

(o) $\frac{s}{-12} = -12$

(p) $f - 13 = -4$

(q) $-17w = 102$

(r) $15 + g = -13$

(s) $\frac{-q}{18} = 0$

(t) $y + 49 = 20$

2. Solve:

(a) $3n + 4 = 19$

(b) $5t - 81 = 46$

(c) $9v + 17 = -6$

(d) $4f - 6 = -6$

(e) $6g + 13 = -13$

(f) $4m = 30 - m$

(g) $2k - 9 = -15$

(h) $7d = 58 + 9d$

(i) $\frac{c}{8} + 3 = 7$

(j) $\frac{r}{2} - 39 = 41$

(k) $\frac{h}{3} + 15 = 2$

(l) $\frac{b}{7} - 18 = -20$

3. Show, by substitution, that $n = 13$ is the solution to the equation $39 - 9n = -6n$.

1. Solve:

(a) $9c + 4 = 5c + 34$

(b) $8p - 22 = 3p + 56$

(c) $5e + 38 = 2e + 5$

(d) $6t - 37 = -3t + 8$

(e) $7u + 85 = 13 - 2u$

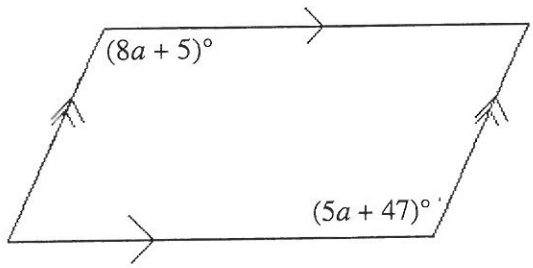
(f) $4m - 19 = 37 - 4m$

(g) $11a + 15 = 8a - 19$

(h) $9k - 14 = 8k - 32$

(i) $12q - 17 = -19 - 2q$

2. Opposite angles of a parallelogram are equal. Find the value of a.



3. Nine less than five times a certain number is equal to 17 more than three times the number. Find the number.

4. When 15 is subtracted from four times a certain number, the result is 7 more than three times the number. What is the number?