Gurukool Kids

# Class 8 - Weekly Test - 2019-11-04

## Subject : Mathematics

### Total Marks : 20

1. Give three examples of expressions containing one variable and three examples of expressions containing two variables.
2. Show that (i) \((3x + 7)^2\) − 84x = \((3x − 7)^2\) (ii) \((9p − 5q)^2\) + 180pq = \((9p + 5q)^2\) (iii) \( \left(\frac{4}{3}m-\frac{3}{4}n\right)^2 \) + 2mn = \( \frac{16}{9}m^2 + \frac{9}{16}n^2 \) (iv) \((4pq + 3q)^2\) − \((4pq − 3q)^2\) = 48p\(q^2\) (v) (a − b) (a + b) + (b − c) (b + c) + (c − a) (c + a) = 0

