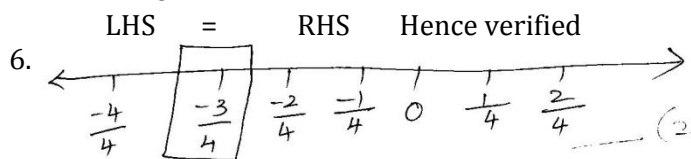


I. Answer in one word:

1. 0 2. $\frac{p}{q}$ 3. d - c d) No

II. Answer the following:

5. $a - (-b) = a + b$
 $-6 - (-12) = -6 + 12 = 6$



7. Find: $40 \div [-2 + 3]$
 $40 \div 1 = 40$

8. Find: $\frac{-2}{3} \div \frac{1}{6} = \frac{-2}{3} \times \frac{6}{1} = -4$

III. Answer the following:

9. $\frac{-2}{5} \times \frac{2}{3} = \frac{-4}{15}$ $\frac{-2}{5} \times \frac{3}{5} = \frac{-6}{25}$ Student's answer

10. Monomial $\rightarrow -4a, 100$
 Binomial $\rightarrow x + 3y$
 Trinomial $\rightarrow 3 - y + y^2, 3z + 6y - 5x$

11. $8 \times (30 - 1) = (8 \times 30) - (8 \times 1) = 240 - 8 = 232$

12. No of correct ans = 7
 \therefore Mark = $7 \times 3 = 21$
 No of incorrect ans = 6
 \therefore Mark = $6 \times (-2) = (-12)$
 Ttotal Score = $21 + (-12) = 9$

IV. Answer the following:

13. a) -2 can be written as $\frac{-10}{5}$

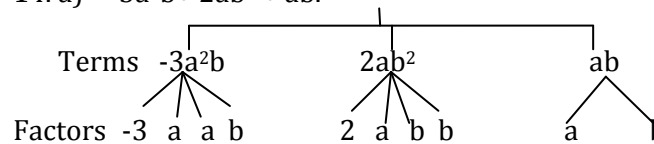
0 can be written as $\frac{0}{5}$

\therefore 4 Rational numbers between -2 and 0 are: $\frac{-9}{5}, \frac{-8}{5}, \frac{-7}{5}, \frac{-6}{5}$

(Students' Answers)

b) $0 \rightarrow \frac{0}{4}$. (Students' answer)

14. a) $-3a^2b + 2ab^2 + ab$.



b) 5

15. a) Find: $\frac{-2}{5} + \frac{1}{7}$ LCM = 35

$$\frac{-2 \times 7 - 14}{5 \times 7 35} = \frac{1 \times 5 5}{7 \times 5 35}$$

$$\frac{-14}{35} + \frac{5}{35} = \frac{-9}{35}$$

b) Find: $\frac{-20^4}{35_7} \times \frac{-7^1}{14_2} = \frac{-4^2}{14_7} = \frac{-2}{7}$

16. a) A = -(-10) = 10 B = 20

- b) ii) x^2 iv) Associative