

Holiday Homework

Class: VIII

Subject: Mathematics

Solve the following equations and check your results.

1) $\frac{x}{2} - \frac{1}{5} = \frac{x}{3} + \frac{1}{4}$

2) $\frac{n}{2} - \frac{3n}{4} + \frac{5n}{6} = 2$

3) $\frac{3y+4}{2-6y} = \frac{-2}{5}$

4) $\frac{7y+4}{y+2} = \frac{-4}{3}$

5) Find the value of 'm' for which $(7)^{m+1} \div (7)^{-5} = (7)^{10}$.

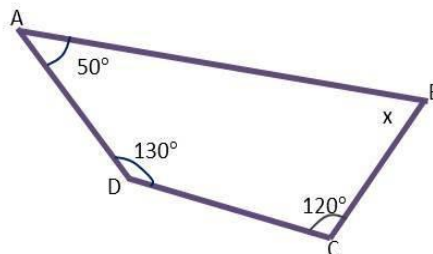
6) Simplify: $\frac{3^{-5} \times 10^{-5} \times 625}{5^{-7} \times 6^{-5}}$

7) Find the value $\left[\frac{1}{2}\right]^{-2} + \left[\frac{1}{3}\right]^{-2} + \left[\frac{1}{4}\right]^{-2}$

8) The angles of a quadrilateral are in the ratio 1:2:3:4. What are the measures of the four angles?

9) Adjacent sides of a rectangle are in the ratio 5:12, if the perimeter of the rectangle is 34cm. Find the measure of all the sides.

10) (a) Find the value of 'x':



(b) Find the value of 'x' and 'y':

