

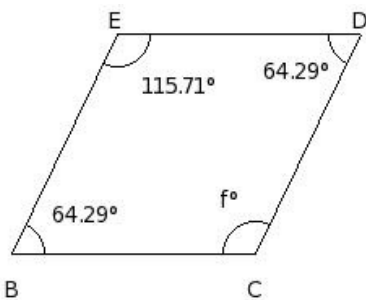


1. The additive inverse of the expression $(-x-5)$ is
 (i) 5 (ii) $(-x-5)$ (iii) $(x+7)$ (iv) $(x+2)$ (v) $(x+5)$

2. Solve : $-\frac{1}{(4x+8)} = -\frac{1}{4x}$

- (i) 1 (ii) 2 (iii) -1 (iv) 4 (v) 3

3. Find the missing angle in the given rhombus



- (i) 145.71° (ii) 130.71° (iii) 115.71° (iv) 125.71° (v) 120.71°

4. Solve : $\frac{(5x-9)}{(-3x+3)} = \frac{(-4)}{9}$

- (i) $\frac{21}{11}$ (ii) $\frac{25}{11}$ (iii) $\frac{27}{13}$ (iv) $\frac{19}{9}$ (v) $\frac{23}{11}$

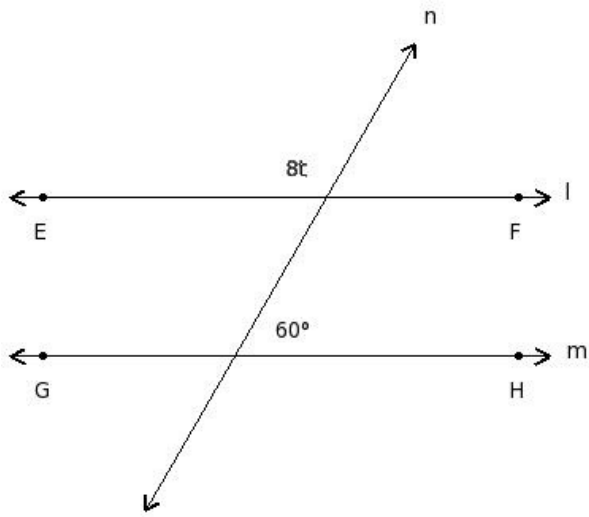
5. Solve : $\frac{2}{(x+1)} - \frac{3}{(x-7)} = \frac{6}{(x-7)} - \frac{7}{(x+4)}$

- (i) $(\frac{-49}{33})$ (ii) $(\frac{-47}{31})$ (iii) $(\frac{-49}{31})$ (iv) $(\frac{-45}{31})$ (v) $(\frac{-45}{29})$

6. Solve the equation $(4x+4)=0$

- (i) -1 (ii) -3 (iii) -2 (iv) 1 (v) 0

7. In the given figure $l \parallel m$. Find the value of 't'



- (i) 14 (ii) 16 (iii) 17 (iv) 12 (v) 15

8. The R.H.S of the equation $(6x+3)=9$ is

- (i) $(6x+3)$ (ii) 11 (iii) 7 (iv) 8 (v) 9

9. Which of the following equations is not the same as $(7x+9)=0$

- (i) $(7x+8)=(-1)$ (ii) $(7x+11)=(-2)$ (iii) $(7x+10)=1$ (iv) $(7x+12)=3$ (v) $(7x+6)=(-3)$

10. Which of the following is a linear equation in one variable?

- (i) $(7x-2y-7)=0$ (ii) $(-72x^2-65xy-3x+18y^2-64y+30)=0$ (iii) $(-7x+8y-z+3)=0$ (iv) $2x=0$
 (v) $(81x^2-63x+12)=0$

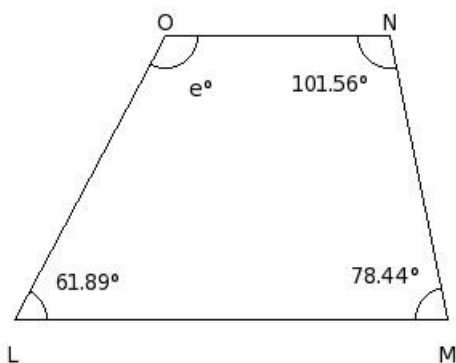
11. Solve : $(-4x+2) + (5x-3) = \frac{(2x-5)}{14}$

- (i) $\frac{1}{2}$ (ii) $\frac{3}{4}$ (iii) $\frac{5}{4}$ (iv) $\frac{3}{2}$ (v) $\frac{1}{4}$

12. Which of the following equations is not the same as $(-2x+1)=0$

- (i) $(-9x-3)=(-7x-4)$ (ii) $(-6x+10)=(-4x+9)$ (iii) $(2x-8)=(4x-9)$ (iv) $(5x+5)=(-7x-4)$
 (v) $(5x+5)=(7x+4)$

13. Find the missing angle in the given trapezium



- (i) 128.11° (ii) 148.11° (iii) 123.11° (iv) 133.11° (v) 118.11°

14. The additive inverse of the expression (-2) is

- (i) (-2) (ii) 2 (iii) (-1) (iv) 5 (v) 1

15. Which of the following equations is the same as $(2x-1)=1$

- (i) $(2x+7)=6$ (ii) $(2x+4)=10$ (iii) $(2x+4)=6$ (iv) $(2x+1)=6$ (v) $(2x+4)=2$

16. Which of the following equations is equivalent to $(-3x+5)=0$

- (i) $(-3x)=(-4)$ (ii) $(-3x)=(-5)$ (iii) $(-3x)=(-1)$ (iv) $(-3x)=(-6)$ (v) $(-3x)=(-9)$

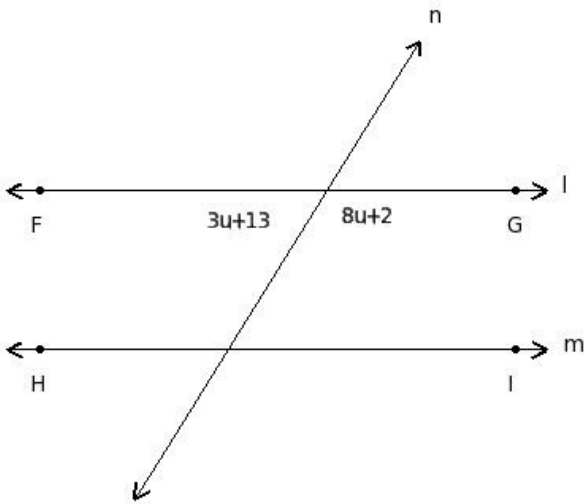
17. The R.H.S of the equation $(-9x-1)=(8x-2)$ is

- (i) $(7x-2)$ (ii) $8x$ (iii) $(-9x-1)$ (iv) $(8x-4)$ (v) $(8x-2)$

18. Solve : $\frac{(-3x+2)}{5} + \frac{(-4x+1)}{8} = \frac{(3x-2)}{6}$

- (i) $\frac{103}{190}$ (ii) $\frac{101}{192}$ (iii) $\frac{103}{194}$ (iv) $\frac{103}{192}$ (v) $\frac{35}{64}$

19. In the given figure $l \parallel m$. Find the value of 'u'



- (i) 16 (ii) 12 (iii) 14 (iv) 15 (v) 18

20. Solve : $\frac{(3x+5)}{10} + \frac{(3x-3)}{5} = \frac{(-5x-4)}{2}$

- (i) $(\frac{-21}{34})$ (ii) $(\frac{-19}{36})$ (iii) $(\frac{-1}{2})$ (iv) $(\frac{-19}{32})$ (v) $(\frac{-19}{34})$

21. The value of x in terms of other variables and constant in $(3x+9)=(-x-4)$ is

- (i) $x=(-\frac{7}{2})$ (ii) $x=(-\frac{15}{4})$ (iii) $x=(-\frac{11}{4})$ (iv) $x=(-\frac{19}{6})$ (v) $x=(-\frac{13}{4})$

22. A bag contains ₹1222 in the form of five-rupee, two-rupee and one-rupee coins in the ratio $11 : 17 : 5$. Find the number of coins of each type

- (i) $141, 226, 65$ (ii) $143, 221, 65$ (iii) $142, 221, 70$ (iv) $145, 216, 65$ (v) $144, 226, 60$

23. Which of the following equations is the same as $(-2x+4)=(5x-7)$

(i) $(-x+7)=(6x-4)$ (ii) $(-x+7)=(4x-10)$ (iii) $(-3x+1)=(6x-4)$ (iv) $(-4x+5)=(7x-8)$

(v) $3=(3x-6)$

24. Solve the equation $(5x+1)=(-8)$

(i) $(\frac{-11}{7})$ (ii) $(\frac{-7}{3})$ (iii) $(\frac{-7}{5})$ (iv) $(\frac{-11}{5})$ (v) $(\frac{-9}{5})$

25. Solve : $(x+4) + (x-1) = \frac{(x+5)}{2}$

(i) $\frac{1}{3}$ (ii) -1 (iii) $(\frac{-1}{5})$ (iv) $(\frac{-1}{3})$

Assignment Key

1) (v)	2) (ii)	3) (iii)	4) (v)	5) (ii)	6) (i)
7) (v)	8) (v)	9) (ii)	10) (iv)	11) (ii)	12) (iv)
13) (v)	14) (ii)	15) (iii)	16) (ii)	17) (v)	18) (iv)
19) (iv)	20) (v)	21) (v)	22) (ii)	23) (i)	24) (v)
25) (iv)					