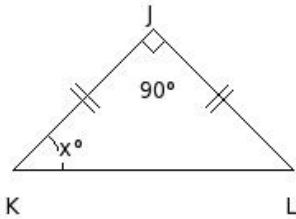
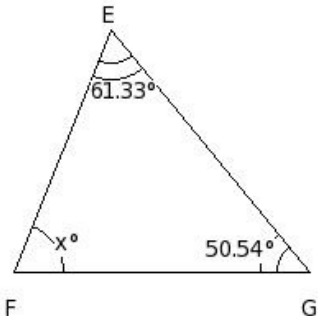




1. Calculate the value of x in the following figure



- (i) $x=43^\circ$ (ii) $x=44^\circ$ (iii) $x=45^\circ$ (iv) $x=47^\circ$ (v) $x=46^\circ$
2. Solve the equation $(x+9)=0$
- (i) -8 (ii) -9 (iii) -10 (iv) -11 (v) -7
3. Which of the following equations is the same as $(x-3)=(5x+8)$
- (i) $(-2x+5)=(-10x-16)$ (ii) $(-2x+7)=(-10x-16)$ (iii) $(-2x+6)=(-10x-19)$
- (iv) $(-2x+6)=(-10x-13)$ (v) $(-2x+6)=(-10x-16)$
4. Which of the following equations is the same as $(-x+8)=2$
- (i) $(-x+10)=1$ (ii) $(-x+7)=1$ (iii) $(-x+7)=(-3)$ (iv) $(-x+7)=5$ (v) $(-x+4)=1$
5. The L.H.S of the equation $(-7x-7)=0$ is
- (i) $(-7x-10)$ (ii) 0 (iii) $(-8x-7)$ (iv) $(-7x-5)$ (v) $(-7x-7)$
6. Which of the following equations is not the same as $(9x+2)=(-3)$
- (i) $(-9x-2)=3$ (ii) $(36x+8)=1$ (iii) $(-36x-8)=12$ (iv) $(18x+4)=(-6)$ (v) $(-45x-10)=15$
7. Which of the following equations is equivalent to $(-7x+3)=(-8)$
- (i) $(-7x)=(-11)$ (ii) $(-7x)=(-15)$ (iii) $(-7x)=(-6)$ (iv) $(-7x)=(-7)$ (v) $(-7x)=(-16)$
8. Which of the following equations is the same as $(6x-5)=(-4x+6)$
- (i) $(-x-4)=(3x+5)$ (ii) $(2x-8)=9$ (iii) $(2x-8)=(-8x+3)$ (iv) $(13x-6)=(-11x+7)$
- (v) $(10x-2)=(-8x+3)$
9. Which of the following equations is not the same as $(9x-8)=(6x-9)$
- (i) $(8x-9)=(7x-8)$ (ii) $(10x-7)=(7x-8)$ (iii) $(8x-9)=(5x-10)$ (iv) $(4x-15)=(x-16)$
- (v) $(14x-1)=(11x-2)$
10. Which of the following equations is the same as $(-3x-3)=0$
- (i) $(-3x-1)=(-3)$ (ii) $(-3x-6)=(-7)$ (iii) $(-3x-6)=(-3)$ (iv) $(-3x-11)=(-3)$ (v) $(-3x-6)=1$

11. One of the two equal angles of an isosceles triangle measures 64° . Find the measure of each angle of the triangle.
- (i) $A=62^\circ, B=66^\circ, C=52^\circ$ (ii) $A=66^\circ, B=64^\circ, C=50^\circ$ (iii) $A=62^\circ, B=64^\circ, C=54^\circ$ (iv) $A=64^\circ, B=64^\circ, C=52^\circ$
(v) $A=64^\circ, B=62^\circ, C=54^\circ$
12. Solve the equation $(-x-4)=(-9)$
- (i) 5 (ii) 8 (iii) 6 (iv) 4 (v) 3
13. The L.H.S of the equation $(-2x-8)=(6x+8)$ is
- (i) $(-2x-5)$ (ii) $(-2x-10)$ (iii) $(-2x-8)$ (iv) $(6x+8)$ (v) $(-3x-8)$
14. Find the unknown angle from the following figure
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- (i) $x=70.13^\circ$ (ii) $x=69.13^\circ$ (iii) $x=68.13^\circ$ (iv) $x=66.13^\circ$ (v) $x=67.13^\circ$
15. Which of the following equations is not the same as $(-7x+3)=(-4)$
- (i) $(-7x)=(-7)$ (ii) $(-7x+6)=(-1)$ (iii) $(-7x+4)=(-3)$ (iv) $(-7x+2)=(-5)$ (v) $(-7x+8)=(-9)$
16. Which of the following equations is equivalent to $(4x+1)=(6x-6)$
- (i) $(-2x)=(-9)$ (ii) $(-2x)=(-7)$ (iii) $(-2x)=(-5)$ (iv) $(-2x)=(-3)$ (v) $(-2x)=(-11)$
17. In $\triangle DEF$, if $\angle D = 90^\circ$ and $\angle E = \angle F$, find the measure of each of the equal angles of the triangle
- (i) 45° (ii) 47° (iii) 44° (iv) 43° (v) 46°
18. Which of the following equations is not the same as $(8x+7)=(-6x+1)$
- (i) $(16x+12)=(-14x-4)$ (ii) $(16x+12)=(2x+6)$ (iii) $(2x+14)=(-12x+8)$ (iv) $2=(-14x-4)$
(v) $14x=(-6)$
19. Which of the following equations is not the same as $(-6x-4)=0$
- (i) $(x-12)=(7x-8)$ (ii) $(-13x+4)=(-7x+8)$ (iii) $(-5x-5)=(x-1)$ (iv) $(-5x-5)=(-x+1)$
(v) $(-7x-3)=(-x+1)$
20. Which of the following equations is the same as $(8x+2)=(2x-5)$
- (i) $(8x+6)=(2x-1)$ (ii) $(8x+8)=(2x-1)$ (iii) $(8x+4)=(2x-1)$ (iv) $(8x+6)=(2x+4)$
(v) $(8x+6)=(2x-6)$
21. Which of the following equations is the same as $(-6x-2)=(x-9)$
- (i) $(-10x+3)=(5x-14)$ (ii) $(-2x-7)=(-3x-4)$ (iii) $(-1)=(-5x-10)$ (iv) $(-2x-7)=(5x-14)$
(v) $(-12x-3)=(7x-8)$

22. Which of the following equations is not the same as $(-6x-6)=0$

- (i) $(18x+18)=(-3)$ (ii) $(24x+24)=0$ (iii) $(30x+30)=0$ (iv) $(-24x-24)=0$ (v) $(-18x-18)=0$

23. Which of the following equations is the same as $(-7x-8)=0$

- (i) $(-9x-9)=(2x+1)$ (ii) $(-5x-7)=(2x+1)$ (iii) $(2x-16)=(-9x+8)$ (iv) $(-16x)=(9x-8)$
(v) $(-5x-7)=(-2x-1)$

24. Which of the following equations is the same as $(-2x-3)=0$

- (i) $(-2x-6)=2$ (ii) $(-2x+4)=2$ (iii) $(-2x-1)=2$ (iv) $(-2x-1)=(-1)$ (v) $(-2x-1)=5$

25. Which of the following equations is not the same as $(7x+1)=0$

- (i) $6x=(x+1)$ (ii) $4x=(-3x-1)$ (iii) $(10x+2)=(3x+1)$ (iv) $(8x+2)=(x+1)$ (v) $6x=(-x-1)$

Assignment Key

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