Prealgebra questions for placement test practice

1. Evaluate: $9+(-4)$
2. Evaluate: $5-9+2$
3. Evaluate: $-6+3(9-7)$
4. Evaluate: $-8\div(1+3)-1$
5. Evaluate: $-7+2\cdot 6^2-8$
6. Simplify the fraction: $\frac{10}{25}$
7. Convert the mixed number to a fraction: $3\frac{1}{4}$
8. Find the sum of -15 and 10.
9. Find the difference between 28 and -12.
10. Evaluate: $\frac{1}{3}+\frac{5}{3}$
11. Evaluate: $\frac{4}{5}+\frac{2}{3}-\frac{1}{2}$
12. Evaluate: $\frac{3}{4}-\frac{5}{8}$
13. Evaluate: $\left(-\frac{2}{5}\right)\left(\frac{15}{4}\right)$
14. Evaluate: $\left(\frac{4}{5}\right)\div\left(-\frac{8}{25}\right)$
15. Evaluate: $|-5|+2$
16. Evaluate: -6^2
17. Evaluate: $(-6)^2$

18. Evaluate: $\frac{8}{0}$

19. Evaluate: $\frac{0}{-3}$

20. Evaluate: $(-5) \div \left(\frac{10}{3}\right)$

21. Evaluate: $-\left[-2(3^2 - (5-4))\right]$

22. Evaluate. Leave the answer in lowest terms: $\left(-\frac{4}{3}\right)\left(\frac{5}{12}\right)\left(\frac{9}{10}\right)$

23. Simplify: $\frac{x^6}{x^4}$

24. Write 16% in decimal form.

25. What is 80% of 250?

26. Solve for x: $\frac{x}{24} = \frac{3}{8}$

27. Solve for x: $\frac{5}{8} = \frac{20}{x}$

28. Solve for x: $x + 3 = 10$

29. Solve for x: $\frac{1}{2}x = 5$

30. Simplify: $3x + 5x - 2x$

Answers to Prealgebra questions for placement test practice

1. 5
2. -2
3. 0
4. -3
5. 57
6. $\frac{2}{5}$
7. $\frac{13}{4}$
8. -5
9. 40
10. 2
11. $\frac{29}{30}$
12. $\frac{1}{8}$
13. $-\frac{3}{2}$
14. $-\frac{5}{2}$
15. 7
16. -36
17. 36
18. Undefined
19. 0

20. $-\frac{3}{2}$

21. 16

22. $-\frac{1}{2}$

23. x^2

24. 0.16

25. 200

26. 9

27. 32

28. 7

29. 10

30. $6x$