

PRACTICE WORKSHEET PACK

MathMaster - 50+ Problems with Solutions

ALGEBRA PROBLEMS

1. Solve for x : $3x + 7 = 22$ Answer: $x = 5$
2. Factor: $x^2 - 9$ Answer: $(x+3)(x-3)$
3. Simplify: $2(3x - 4) + 5x$ Answer: $11x - 8$
4. Solve: $x^2 - 5x + 6 = 0$ Answer: $x = 2, 3$
5. Find slope: $(2,3)$ and $(6,11)$ Answer: $m = 2$

GEOMETRY PROBLEMS

6. Find area of triangle: $b=10$, $h=8$ Answer: 40 sq units
7. Find circumference: $r=7$ Answer: 14π or ~ 43.98
8. Find missing angle: 45, 60, x Answer: 75 degrees
9. Pythagorean: $a=6$, $b=8$, $c=?$ Answer: $c = 10$
10. Area of circle: $r=5$ Answer: 25π or ~ 78.54

TRIGONOMETRY PROBLEMS

11. Find $\sin(30)$ Answer: $1/2$ or 0.5
12. Find $\cos(60)$ Answer: $1/2$ or 0.5
13. If $\sin(x) = 3/5$, find $\cos(x)$ Answer: $4/5$
14. Evaluate $\tan(45)$ Answer: 1
15. Find $\sec(0)$ Answer: 1

CALCULUS PROBLEMS

16. $d/dx[x^4]$ Answer: $4x^3$
17. $d/dx[3x^2 + 2x]$ Answer: $6x + 2$
18. $\int 2x \, dx$ Answer: $x^2 + C$
19. $d/dx[\sin(x) + \cos(x)]$ Answer: $\cos(x) - \sin(x)$
20. $\int x^2 \, dx$ Answer: $x^3/3 + C$

... 30+ more problems available in the full version!

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