

Rewrite each equation by solving for the indicated variable. Show all your work in the space provided.

1. $I = prt$, solve for r	2. Use the formula from problem #1. If a person deposited \$500 as their principle for 3 years and earned \$150 in interest, what was the interest rate?
3. $d = rt$, solve for r	4. Use the formula from problem #3 If a person drove 348 miles in 4 hours, what is their rate?
5. $A = \frac{1}{2}bh$, solve for h	6. Use the formula from problem #5. If a triangle has an area of 48 and a base of 12, what is its height?
7. $P = 2b + 2h$, solve for b	8. Use the formula from problem #7. The perimeter of a rectangle is 24.5 feet, and its height is 6.25 ft. What is the base of the rectangle?
9. $A = \pi r^2$, solve for r	10. Use the formula from problem #9. A circle has an area of 144π . What is its radius?
11. $z = kxy$, solve for k	12. $A = w + x + y + z$, solve for z
13. $V = IR$, solve for R	14. $V = \frac{1}{3}Bh$, solve for h
15. $-3xy = z$, solve for x	16. $y = -2x + 5$, solve for x