

1. The formula for the area of a square with length x is $A = x^2$.
2. The formula for the area of a parallelogram with base x and height y is $A = xy$.
3. The formula for the area of a rectangle with length x and width y is $A = xy$.
4. The formula for the perimeter of a rectangle with length x and width y is $P = 2x + 2y$.
5. The formula for the volume of a rectangular solid of length a , width b , and height c is $V = abc$.
6. The formula for the area of a triangle with base b and height h is $A = \frac{1}{2}bh$.
7. The formula for the area of a trapezoid with bases B and b and height h is $A = \frac{1}{2}(B + b)h$.
8. The formula for the area of a circle with radius r is $A = \pi r^2$.
9. The formula for the circumference of a circle with radius r is $C = 2\pi r$.
10. The formula for the circumference of a circle with diameter d is $C = \pi d$.
11. The formula for the area of a circle with diameter d is $A = \frac{\pi d^2}{4}$.
12. The formula for the volume of a sphere with radius r is $V = \frac{4}{3}\pi r^3$.
13. The formula for the volume of a cylinder with radius r and height h is $V = \pi r^2 h$.
14. The formula for the volume of a cone with radius r and height h is $V = \frac{1}{3}\pi r^2 h$.
15. The formula for the distance d between two points (x_1, y_1) and (x_2, y_2) is
$$d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}.$$
16. The formula for the distance d traveled at a rate r in time t is $d = rt$.
17. The formula for the interest I earned by a principle P at a rate r for a time t is $I = Prt$.
18. The Distributive Property: If a , b , and c are real numbers, then $a(b + c) = ab + ac$.
19. The Zero Factor Property: If a and b are real numbers and $ab = 0$, then $a = 0$ or $b = 0$.
20. The Transitive Property: If a , b , and c are real numbers such that $a = b$ and $b = c$, then $a = c$.