

Name _____

Unit 6 Pre-Algebra

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|--------------------------------|---|
| 1. Area of a Triangle | $A = \frac{1}{2}bh$ |
| 2. Area of a Trapezoid | $A = \frac{1}{2}h(b_1 + b_2)$ |
| 3. Area of a Rectangle | $A = bh$ or $A = lw$ |
| 4. Area of a Parallelogram | $A = bh$ |
| 5. Area of a Circle | $A = \pi r^2$ |
| 6. Pythagorean Theorem | $a^2 + b^2 = c^2$ |
| 7. Circumference of a circle | $C = \pi d$ or $C = 2\pi r$ |
| 8. Volume of a Prism | $V = Bh$ |
| 9. Volume of a Cylinder | $V = Bh = \pi r^2h$ |
| 10. Volume of a Pyramid | $V = \frac{1}{3}Bh$ |
| 11. Volume of a Cone | $V = \frac{1}{3}Bh = \frac{1}{3}\pi r^2h$ |
| 12. Volume of a Sphere | $V = \frac{4}{3}\pi r^3$ |
| 13. Surface area of a Prism | $S = 2B + Ph$ |
| 14. Surface area of a Cylinder | $S = 2\pi r^2 + 2\pi rh$ |
| 15. Surface area of a Pyramid | $S = B + \frac{1}{2}Pl$ |
| 16. Surface area of a Cone | $S = \pi r^2 + \pi rl$ |
| 17. Surface area of a Sphere | $S = 4\pi r^2$ |

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*Each formula is worth 5 points.

1. Area of a **Triangle** _____
2. Area of a **Trapezoid** _____
3. Area of a **Rectangle** _____
4. Area of a **Parallelogram** _____
5. Area of a **Circle** _____
6. **Pythagorean Theorem** _____
7. Circumference of a **Circle** _____
8. Volume of a **Prism** _____
9. Volume of a **Cylinder** _____
10. Volume of a **Pyramid** _____
11. Volume of a **Cone** _____
12. Volume of a **Sphere** _____
13. Surface area of a **Prism** _____
14. Surface area of a **Cylinder** _____
15. Surface area of a **Pyramid** _____
16. Surface area of a **Cone** _____
17. Surface area of a **Sphere** _____