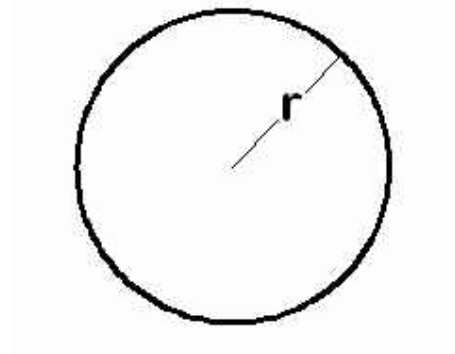


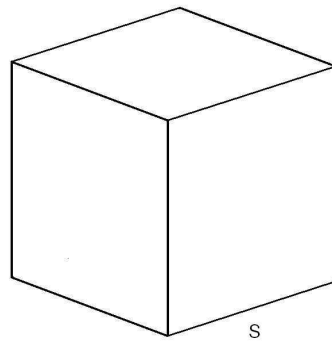
Algebra for Designers – Quiz 1

Name: _____ Date: _____

1. If the area of the circle is $4x^4$ then what is the radius r ?



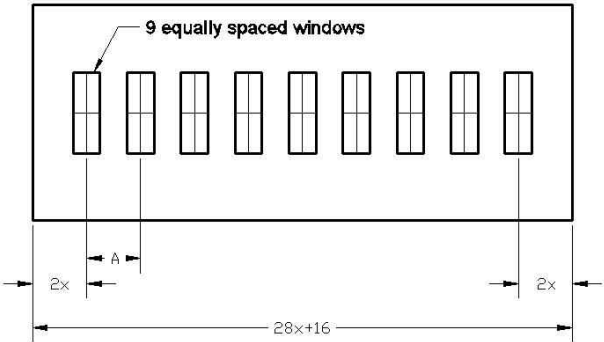
2. If the volume, $V = \frac{8}{64}x^6$ for the cube, what is the length of side s ?



3. Simplify
 $(x + y)(2x - 3y)$

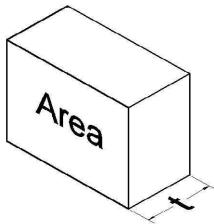
Algebra for Designers – Quiz 1

4. Solve for A



5. Simplify $(3xy^2 + 4xy)^2$

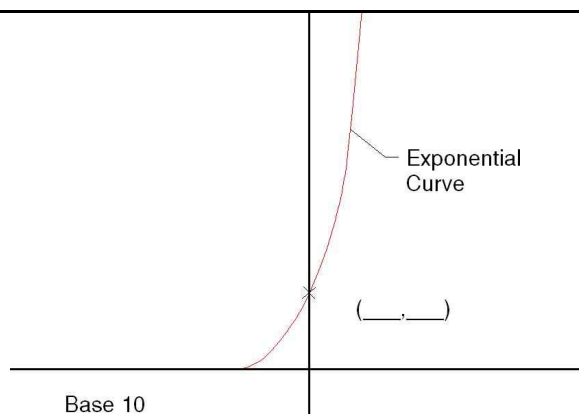
6. Fill in the blanks in the table.



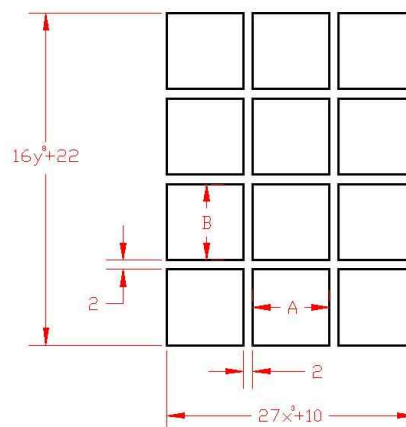
Volume	Area	t
$3x^2y^4$	x^2y^2	
$4m+2n$		2
	$3x+2y$	$4z$

Algebra for Designers – Quiz 1

7. Where does the exponential curve for the formula $y = 10^x$ cross the y-axis?



8. Solve for A and B if the vertical dimension for the patio is $16y^8 + 22$ and the horizontal dimension is $27x^3 + 10$



9. Solve for A and B

