2.5 The Power Rule			
Calculus	Name: CA #1		
Find $\frac{dy}{dx}$.			
1. $y = x^{17}$	2. $y = \sqrt[5]{x^3}$	3. $y = \frac{1}{x^{10}}$	$4. y = \frac{1}{\sqrt[4]{x^3}}$
Find $f'(a)$ for each function at the given value of a .			
5. $f(x) = \sqrt[4]{x}$ find $f'(16)$.	6. $f(x) = \frac{1}{x^6}$ find $f'(\pi)$.	7. f(x fi	$f(-2) = x^6$ and $f'(-2)$.
Find the equation of the tangent line of each function at the given value of x.8. $y = x^3$ at $x = 6$ 9. $f(x) = \frac{1}{2}$ at $x = 2$			
	91	9. $f(x) = \frac{1}{x^4}$ at $x = 2$	
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